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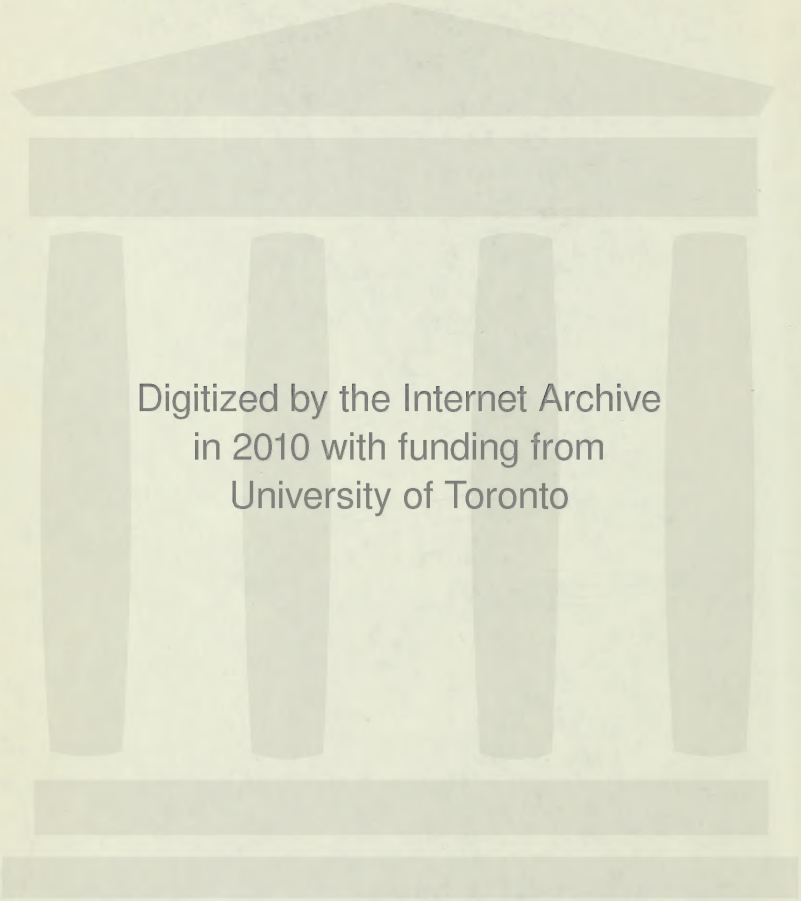

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THE

CYCLOPÆDIA;

OR,

Universal Dictionary

OF

ARTS, SCIENCES, AND LITERATURE.

PLATES. VOL. V.

NATURAL HISTORY.

Printed by A. Strahan,
New-Street-Square, London.

THE

CYCLOPÆDIA;

OR,

UNIVERSAL DICTIONARY

OF

Arts, Sciences, and Literature.

BY

ABRAHAM REES, D.D. F.R.S. F.L.S. *S. Amer. Soc.*

WITH THE ASSISTANCE OF

EMINENT PROFESSIONAL GENTLEMEN.

ILLUSTRATED WITH NUMEROUS ENGRAVINGS,

BY THE MOST DISTINGUISHED ARTISTS.

PLATES. VOL. V.

NATURAL HISTORY.

LONDON:

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QUADRUPEDS.

CLASS I.st MAMMALIA ORDER I.st PRIMATES

Genus 1.st SIMIA Spec. 1. APE.

1. ORAN OTANG.
2. CHESNUT OTANG.
2. CHIMPANZEE
4. LONG ARMED APE
5. BARBARY APE.
6. PIGMY APE.
7. RED TAILED APE.
8. STRIATED APE.

Published as the Act directs May 1.st 1799 by Longman & Rees Paternoster Row

QUADRUPEDS.

CLASS MAMMALIA ORDER PRIMATES. GENUS LEMUR. GENUS GALEOPITHECUS. GEOFF.

1. L. Podje Tarsier.—2. L. Ecaudatus Taillefs Maucauco.—3. L. Murinus Murine Lemur.—4. L. Catta Ring-tail Maucauco.—5. L. Tardigradus Loris.

6. L. Volans Flying Lemur. (Galeopithecus rufus Audeb.)

GENUS *VESPERTILIO*

Bat

1.V. Vampyrus VAMPYRE B.

2.V. Auritus LONG EARED B.

3.V. Spasma CORDATED B.

4.V. Leporinus PERUVIAN B.

5.V. Spectrum SPECTRE B.

Published as the Act directs March 1.1813. by Longman Hurst Rees Orme & Brown Paternoster Row.

QUADRUPEDS.

CLASS MAMMALIA. ORDER BRUTA. GENUS BRADYPUS. GENUS MYRMECOPHAGA. GENUS ORNYTHORINCHUS.

1. Bradypus Tridactylus. Three toed Sloth. 2. B. Didactylus. Two toed Sloth. 3. Myrmecophaga Didactyla. Two toed or little Ant eater.
4. M. Tetra Dactyla. Four toed Ant eater. 5. M. Jubata. Great Ant eater. 6. Ornythorinchus Paradoxus. Duck billed Ornythorinchus.

1. Manis Pentadactyla short tailed Manis.—2. Manis Tetradactyla long tailed Manis.—3. Dasypus Sexcinctus Six banded Armadillo
4. Dasypus Novemcinctus Nine banded Armadillo.—5. Dasypus Duodecemcinctus Unicinctus Linn. Twelve banded Armadillo.

Rhinoceros unicornis. One horned Rhinoceros.

Rhinoceros bicornis. Two horned Rhinoceros.

1. Trichechus Rosmarus, Arctic Walrus or Morse. 2. T. Manatus (var. borealis) Manatus. 3. Phoca Ursina, Ursine Seal
4. P. Grœnlandica Harp Seal. 5. P. Vitulina, Common Seal or Sea Calf. 6. P. Maculata, Spotted Seal.

Published as the Act directs May 1st 1839, by Longman, Hurst, Rees, & Orme, Paters

QUADRUPEDS.

Linn Syst. CLASS I^ma MAMMALIA – ORDER III^tia FERÆ – GENUS XV. CANIS. PLATE II of Order V^a

1.Shepherds Dog – 2 Australasian Dog – 3.Pomeranian Dog 4.Siberian Dog 5.Iceland Dog 6.Small Barbet – 7.Great Barbet or Water Dog –

Published as the Act directs 1 Jan^y 1824 by Longman & Rees Paternoster Row.

1.King Charles's Dog 2.Pyrame 3.Naked or Turkish Hound 4.Pug 5.Spaniel 6.Shock 7.Small Daue 8.Lion D 9.Roquet.

CLASS I^st MAMMALIA — ORDER III^d FERÆ — GENUS XV CANIS.

1. Mastiff — 2. Bull Dog — 3. G^t Danish or Harlequin D^g — 4. Dalmatian Dog.

Published as the Act directs Dec^r 1 1800 by Longman Hurst Rees & Orme & Brown Paternoster Row

1.Old English *or* Talbot Hound - 2.Beagle - 3.Harrier - 4.British Blood Hound.

Published as the Act directs June 1.st 1804, by Longman Hurst Rees & Orme Paternoster Row.

CLASS I^ma MAMMALIA.—ORDER III^tia FERÆ.—GENUS XV CANIS.

J.d Edwards del.

1. Stag Hound.—2. Fox Hound.—3 & 4. Smooth Terriers.—5. Rough Terrier.

Published as the Act directs Nov.1^st 1806 by Longman Hurst Rees & Orme Paternoster Row.

QUADRUPEDS.

CLASS MAMMALIA. ORDER FERÆ. GENUS CANIS.

1. Canis Lupus. Wolf. 2. C. Hyæna. Striped Hyæna. 3. C. Mesomelas. Cape Jackal.
4. C. Vulpes. Common Fox. 5. C. Lagopus. Arctic Fox.

Felis Leo. Lion, Lioness & Young.

Published as the Act directs Jan.y 1.st 1807 by Longman, Hurst, Rees & Orme, Paternoster Row.

CLASS I^st MAMMALIA — ORDER III FERÆ. GENUS FELIS.

Sydt. Edwards del. 1 Scriven sculp.

1.F. Tigris. 2.F. Pardus. 3.F. Leopardus
TIGER. PANTHER LEOPARD

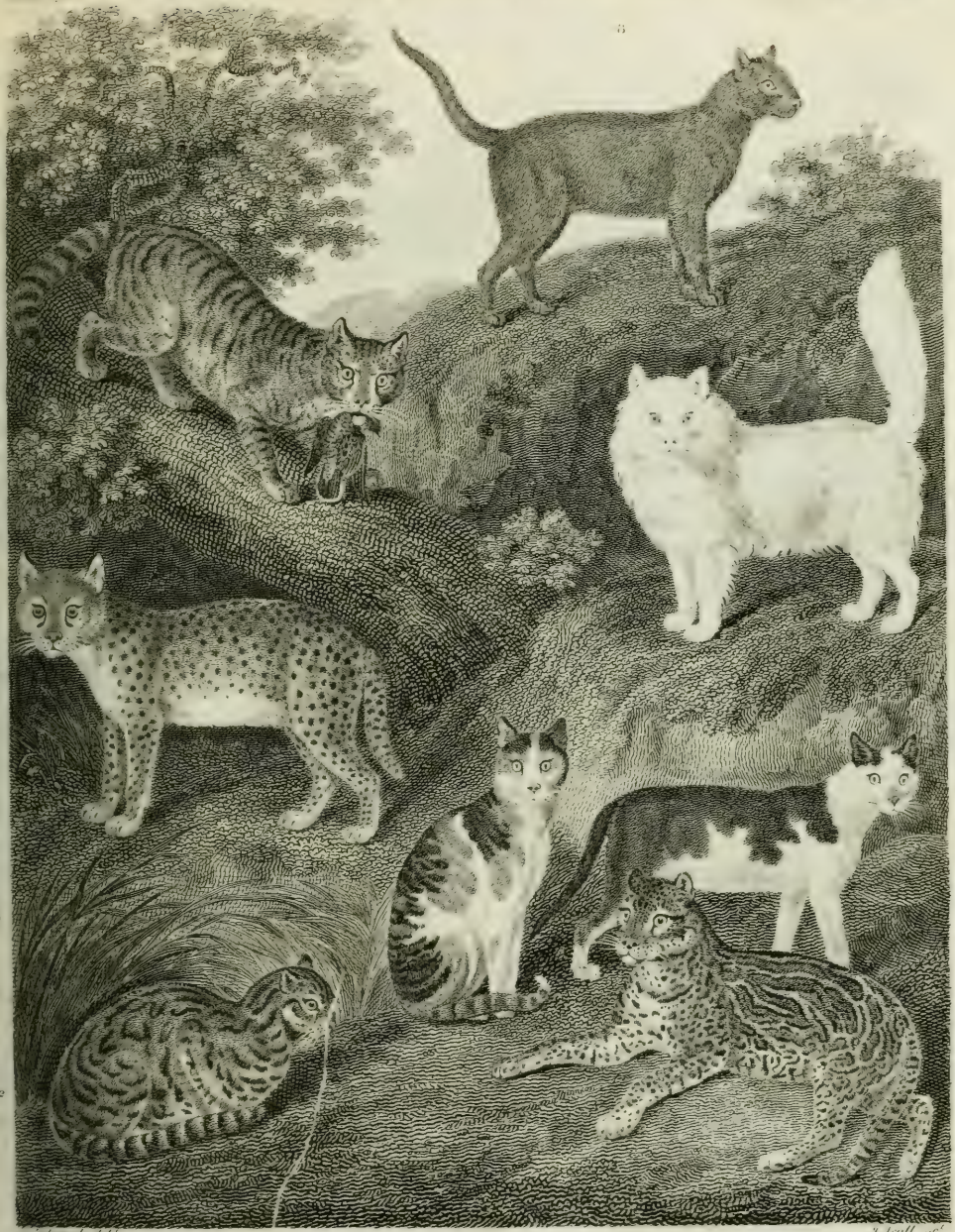
Published as the Act directs Jan 1st 1819 by Longman Hurst Rees Orme & Brown Paternoster Row.

1. Felis Puma, Cougouar.—2. Felis Lynx, the Lynx.—3. Felis Uncia Onnee.—4. Felis Caracal, Bastard Lynx.
5. Felis Onca Jaguar.—6. Felis Jubata Hunting Leopard.

Published as the Act directs by Thos. Pennant, Esq. Downing, Flintshire, March 1, 1781.

QUADRUPEDS

Linn Syst. — CLASS I.st MAMMALIA ORDER III.d FERÆ GENUS FELIS. — PLATE III.st Ord.r F.a



A. Edwards del.t — J. Scott Sc.t

Figs.1. Felis Pardalis, Ocelot – 2. Felis Tigrina, Margay – 3. Felis Serval, Serval – 4. Felis Catus, Wild Cat – 5. var. Domestic Cat – 6. var. Spanish or Tortoise-shell Cat 7. var. Angora Cat – 8. var. Slate Coloured Cat, or Chartreux.

Published as the Act directs, Dec.r 2.d 1805, by Longman Hurst Rees & Orme, Paternoster Row

1 V: Zibetha. Zibet. 2 V: Fofsa. Fofsane. 3 V: Ichneumon. Ichneumon
4 V: Nasua. Brasiliar. Weesel. 5 V: Civetta. Civet.

QUADRUPEDS.

CLASS MAMMALIA. ORDER FERA. GENUS MUSTELA.

1. M. Lutris. Sea Otter. 2. M. Lutra. Otter. 3. M. Foina. Martin. 4. M. Zibellina. Sable.

Published as the Act directs 12th Jan.y 1824 by Longman Hurst Rees Orme & Brown Paternoster Row.

QUADRUPEDS.

CLASS MAMMALIA. ORDER FERÆ GENUS URSUS.

1. U. Americanus, American Bear. — 2. U. Maritimus, Polar Bear. — 3. U. Gulo, Glutton. — 4. U. Meles, Badger.

Published as the Act directs July 1.1824 by Longman Hurst Rees Orme & Brown

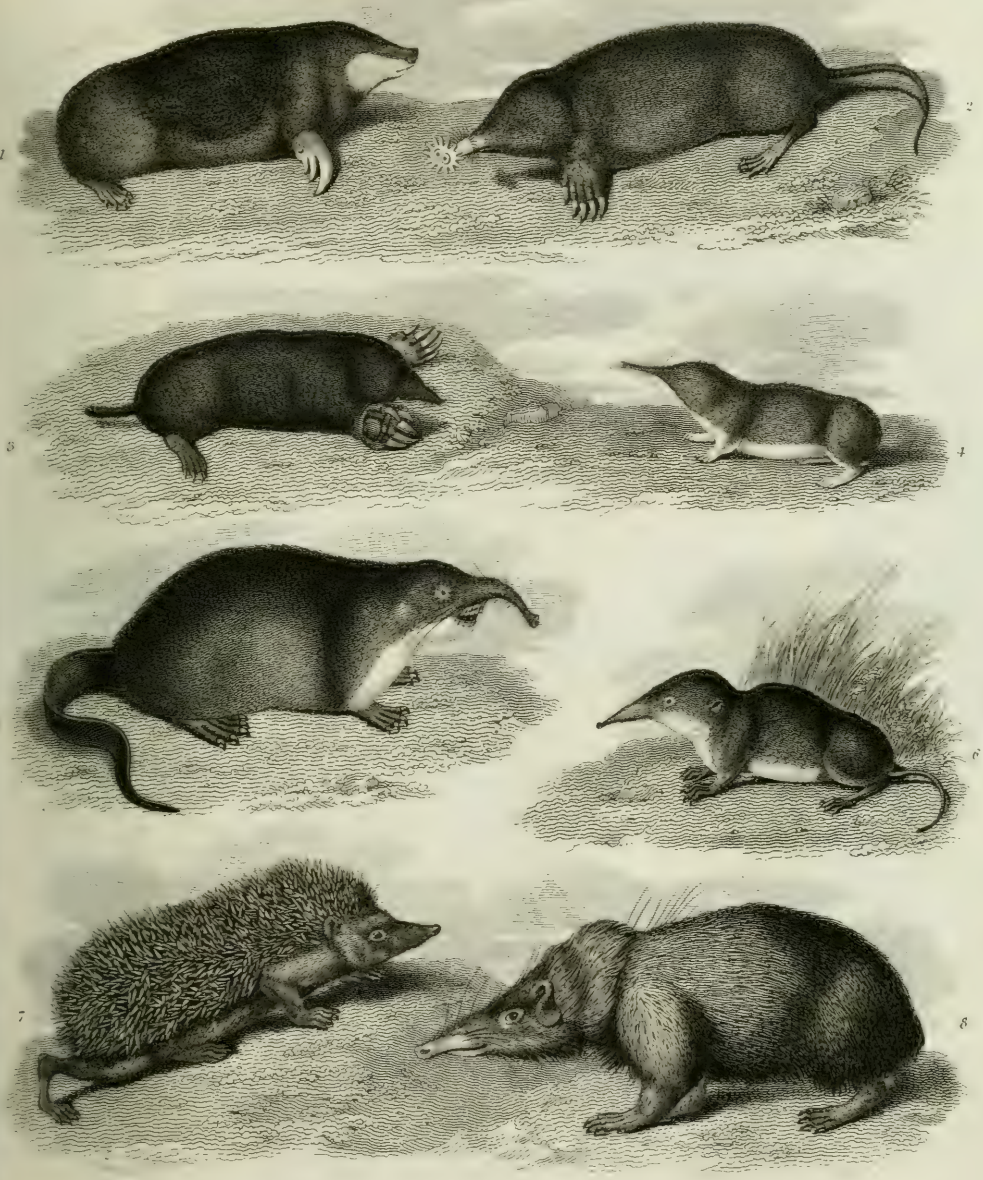
QUADRUPEDS.

GENUS DIDELPHIS. OPOSSUM. GENUS MACROPUS. KANGUROO.

1—D. Virginiana Virginian O.—2 D. Petaurus Petaurine O.—3 D. Murina Murine O.—4 D. Gigantea Great K. a. Mas. b. Fem.

QUADRUPEDS.

MAMMALIA. ORDER FERÆ. GENUS TALPA. MOLE. GENUS SOREX. SHREW. GENUS ERINACEUS. HEDGE-HOG.



1. T. Capensis. Cape M.—2. T. Longicaudata. Long-tailed M.—3. T. Europæa. Common M.—4. Sorex Minutus. Minute S.—5. S. Moschatus. Musk S.
6. S. Araneus. Foetid S.—7. E. Europæus. Common H.—8. E. Ecaudatus. Madagascar H.

QUADRUPEDS

CLASS MAMMALIA. ORDER GLIRES. GENUS HYSTRIX. GENUS CAVIA.

1. Hystrix Cristata, Common or Crested Porcupine. 2. H. Prehensilis, Brasilian Porcupine. 3. H. Dorsata, Canadian Porcupine White var
1. Cavia Aguti, Long-nosed Cavy. 5. C. Magellanica, Patagonian Cavy. 6. C. Paca, Spotted Cavy.

QUADRUPEDS.

CLASS. MAMMALIA. ORDER GLIRES. GENUS CASTOR. BEAVER. GENUS MUS. RAT.

1. C. Fiber. Beaver. 2. M. Zibethicus. Musk R. 3. M. Decumanus, Norway R.
4. M. Musculus, Common Mouse. 5. M. Cricetus, German Hamster R.
6. M. Bursarius, Canada R. 7. M. Capensis, Cape Mole R

QUADRUPEDS.

Syst. CLASS MAMMALIA, ORDER GLIRES, GENUS ARCTOMYS, MARMOT, GENUS SCIURUS, SQUIRREL, GENUS MYOXUS, DORMOUSE.

1. A. Citillus, Variegated M. 2. A. Empetra, Canadian M. 3. S. Petaurista, Taghan or Sailing S.
4. S. Getulus Barbary S. 5. S. Vulgaris, Common S. 6. M. Muscardinus, Common D.

QUADRUPEDS.

1. Dipus Jaculus Alagtaga. 2. D. Sagitta Arabian I. 3 D. Cafer Cape I.
4. Lepus Timidus Common Hare. 5 L. Alpinus Alpine II. 6. Hyrax Capensis Cape Hyrax.

1 Camelus Dromedarius. Arabian Camel, or Dromedary. 2 Camelus Bactrianus Bactrian Camel.

Published as the Act directs. Feb.1 1809 by Longman Hurst Rees & Orme, Paternoster Row.

QUADRUPEDS

CLASS MAMMALIA. GENUS MOSCHUS MUSK. GENUS CERVUS DEER.

1. Moschus Moschiferus. Thibet Musk. 2. Mospygmæus. Guinea M. 3. M. Javanicus. Java M. 4. Cervus Alces. Elk.

Published as the Act directs March 25th 1830, by Longman, Rees, Orme, Brown & Green.

1, C. Tarandus Rein Deer — 2, C. Elaphus Stag Hart or Red Deer — 3, C. Axis Spotted Axis — 4, Camelopardalis Giraffa Camelopard.

QUADRUPEDS.

CLASS MAMMALIA. GENUS ANTILOPE. ANTELOPE.

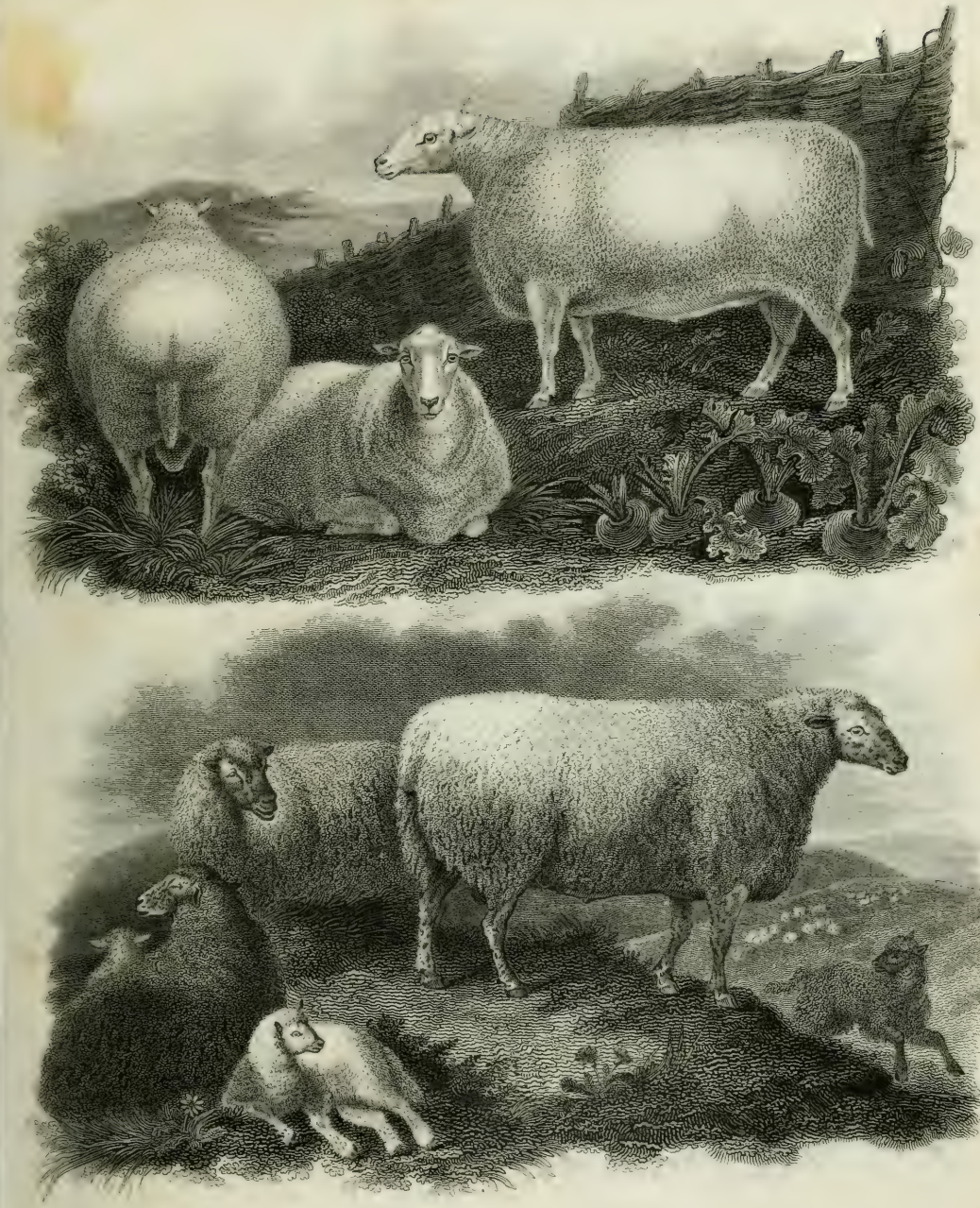
1_A.Rupicapra Chamois A.__2 A.Cervicapra Common A.__3 A.Pygmea Royal A.__4 A.Grimmea Guinea A.__5 A.Gnu. Gnou A.

QUADRUPEDS.

MAMMALIA GENUS CAPRA, GOAT.

1. C. Ibex. Ibex Goat. 2. 3. C. Aegagrus Common British Mountain Goat.
4. Common Domesticated Goat. 5. Syrian Goat. 6. Angora Goat.

Published as the Act directs, April 5th 1809, by Longman, Hurst, Rees, & Orme, Paternoster Row.



South Down Polled Sheep of the improved breeds. From the Stock of the late Duke of Bedford, Woburn.

Published as the Act directs Aug 1 1807 by Longman Hurst Rees & Orme Paternoster Row

QUADRUPEDS.

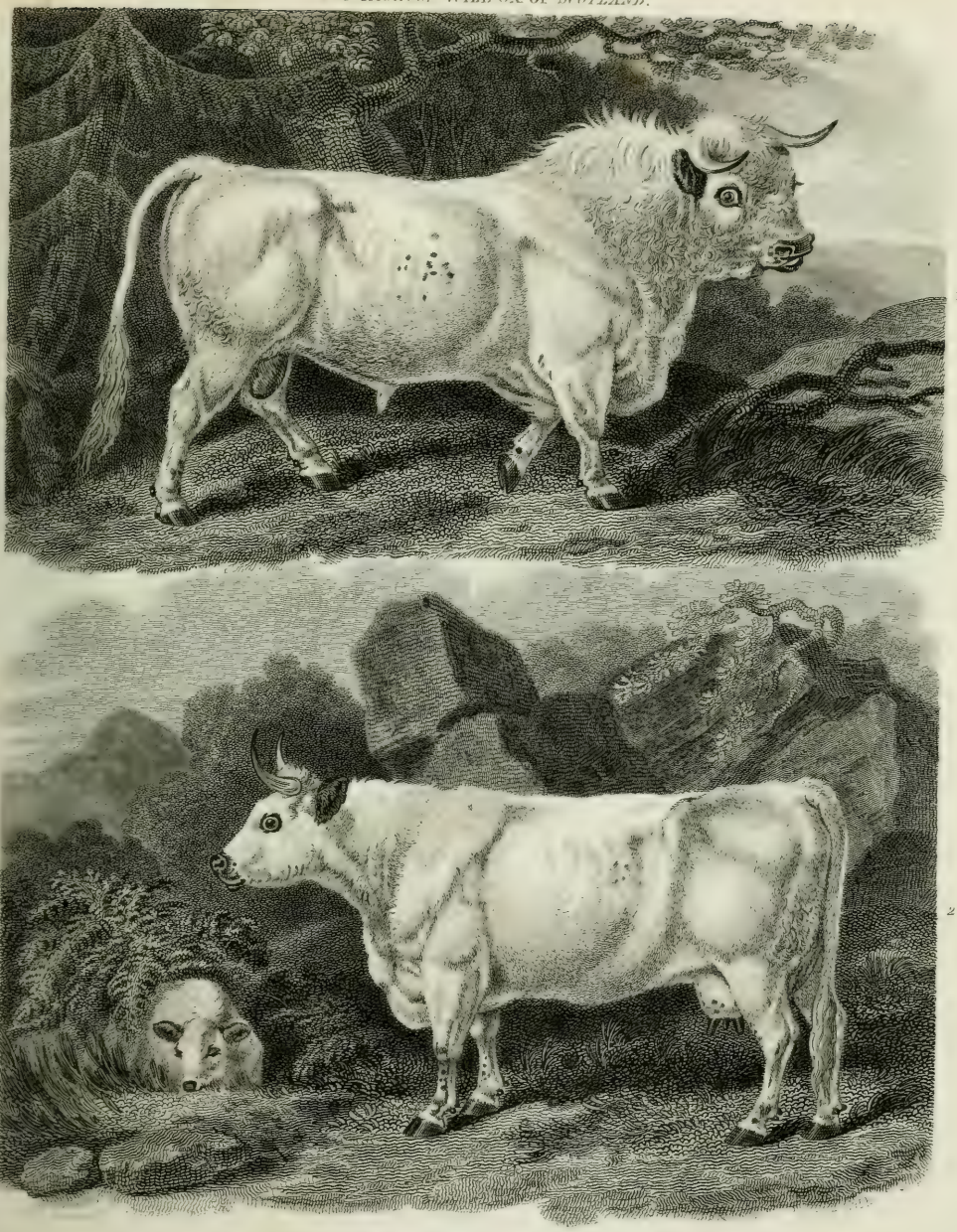
GENUS OVIS. SHEEP VAR. HORNED SHEEP.

1 Norfolk Breed. 2 Hertfordshire Breed.

Published as the Act directs Jan 1st 1809 by Longman Hurst Rees & Orme Paternoster Row

QUADRUPEDS

BOS TAURUS. WILD OX OF *SCOTLAND*.



1 The Bull. 2 The Cow and Calf.

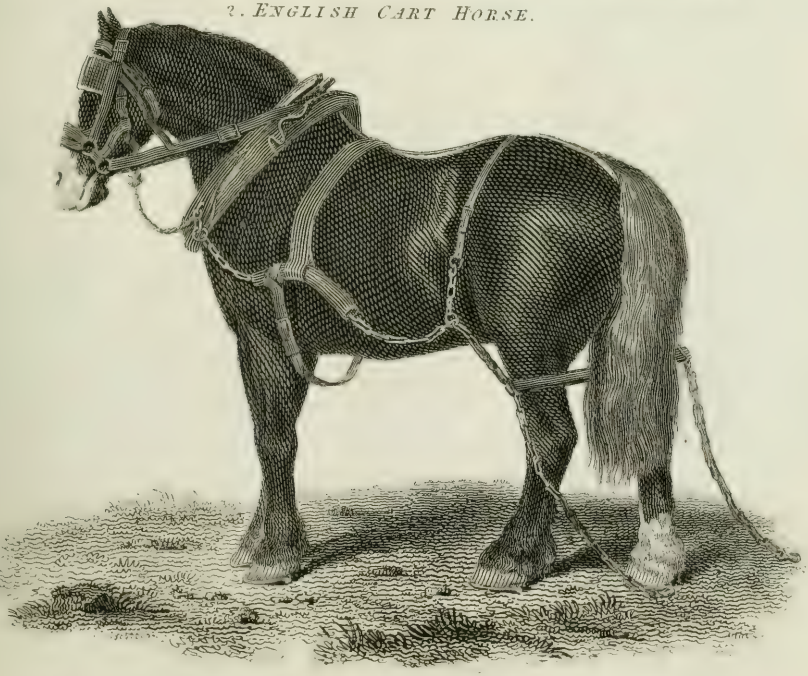
Published as the Act directs, [illegible]

Long Horned or Lancashire Breed

HORSES.

1. *SHETLAND PONEY.*

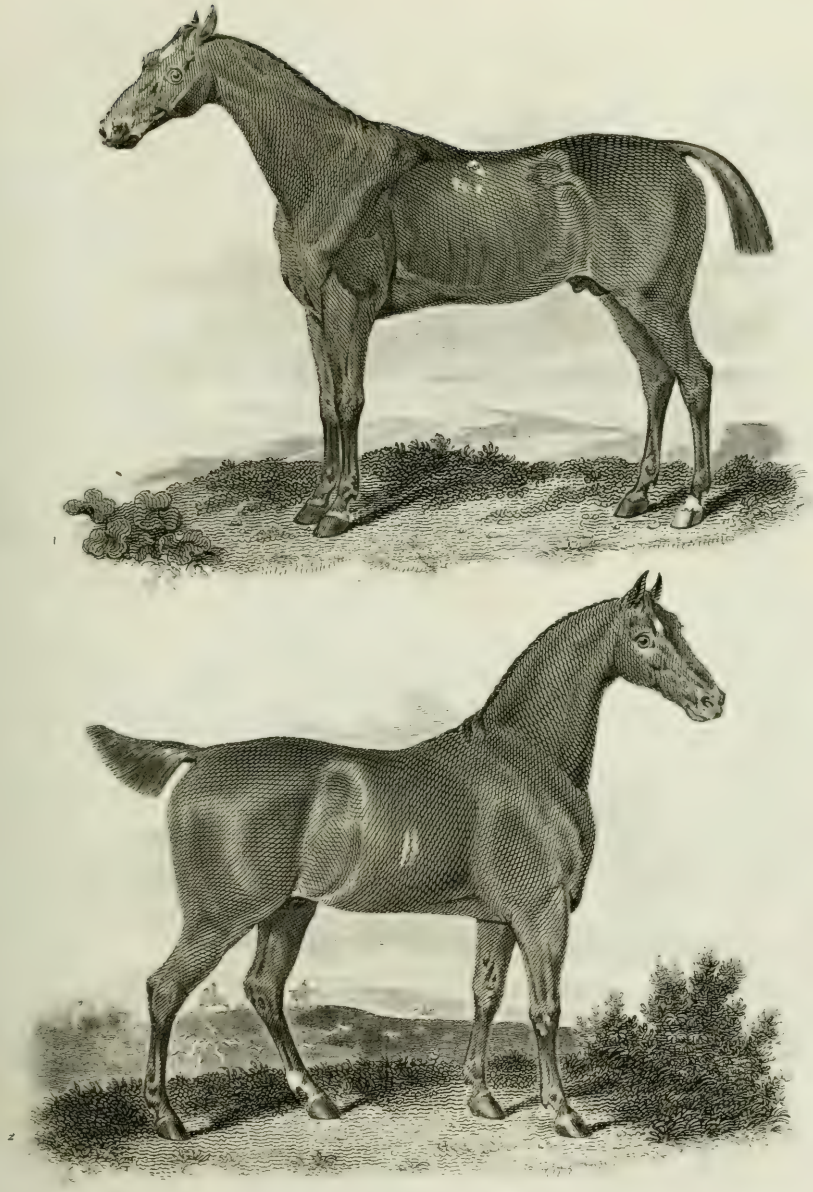
2. *ENGLISH CART HORSE.*



Class I.st Mammalia. Order VI.st Belluae. Genus 33. Equus.

SUFFOLK AGRICULTURAL PUNCH HORSE.

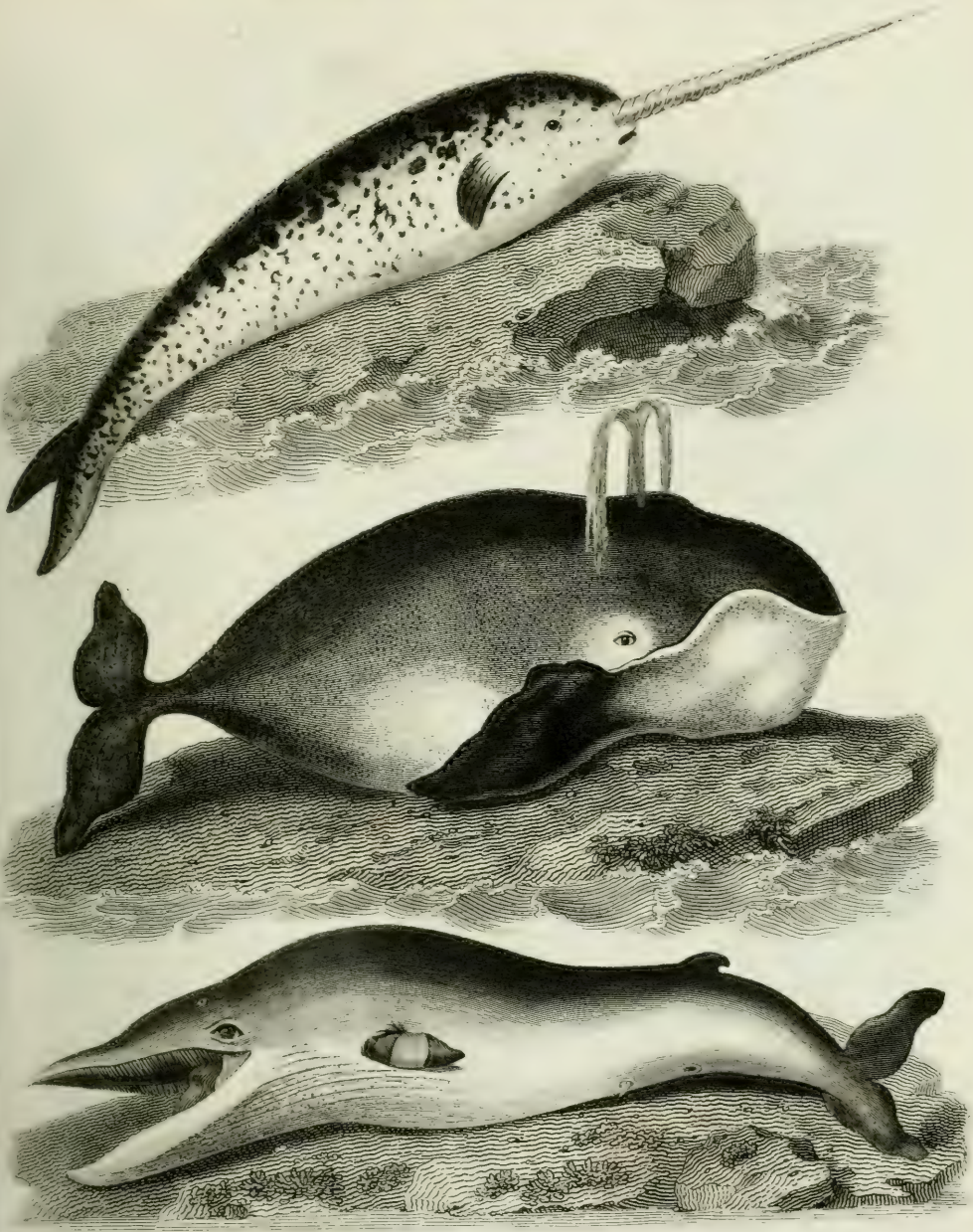
Suffolk Mare & Foal from the Stock of the late Duke of Bedford.

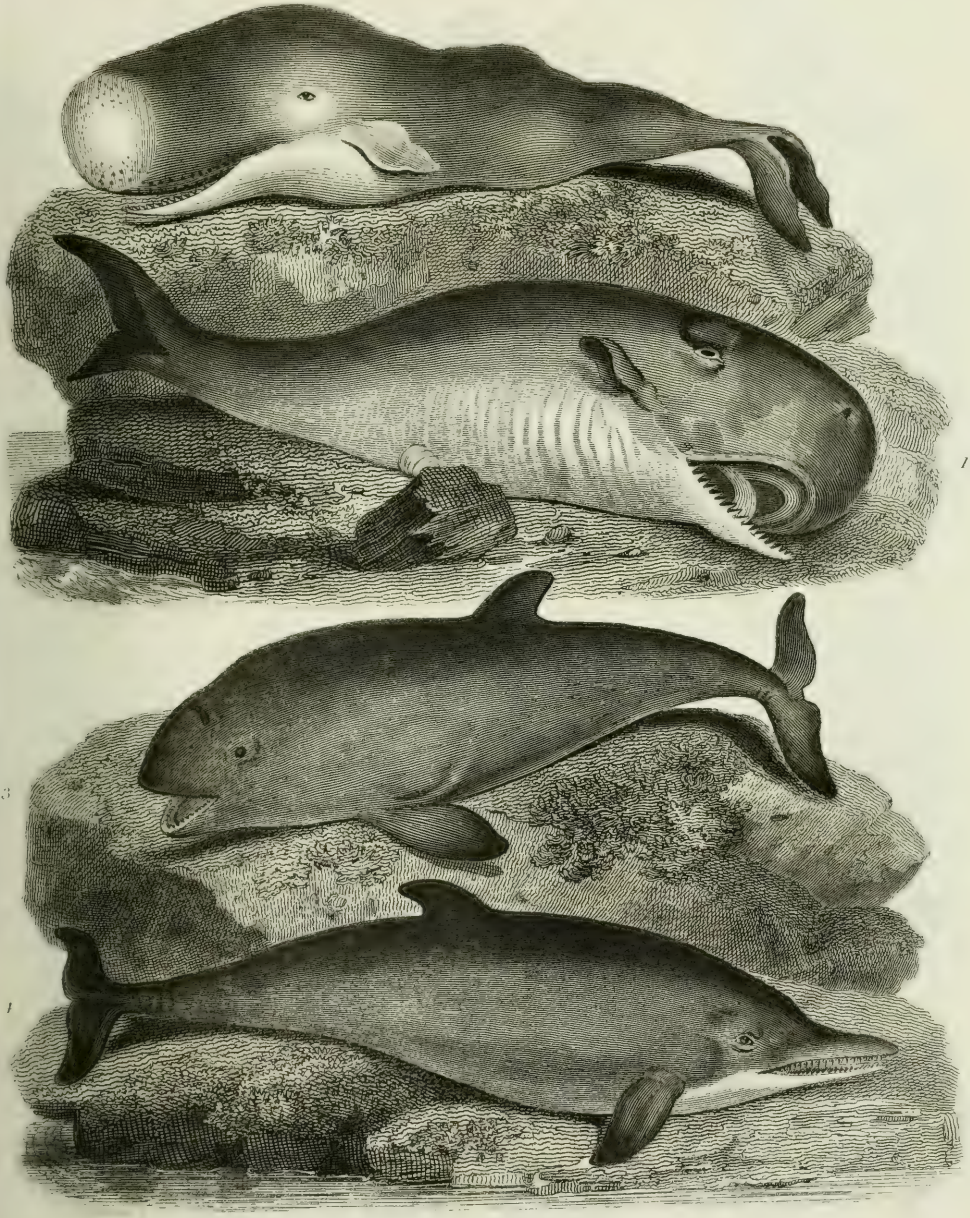


1 Race Horse Royalist. 2 The Hunter Skylark.

1. Hippopotamus Amphibius. Hippopotamus. 2. Tapir Americanus. Tapir.
From an Original Drawing in the Collection of E. Woodford Esqr

1. S. Scrofa. Wild Hog. 2. S. Babyrussa. Babyroussa. 3. S. Æthiopicus. Æthiopian H. 4, 5. Domestic H.

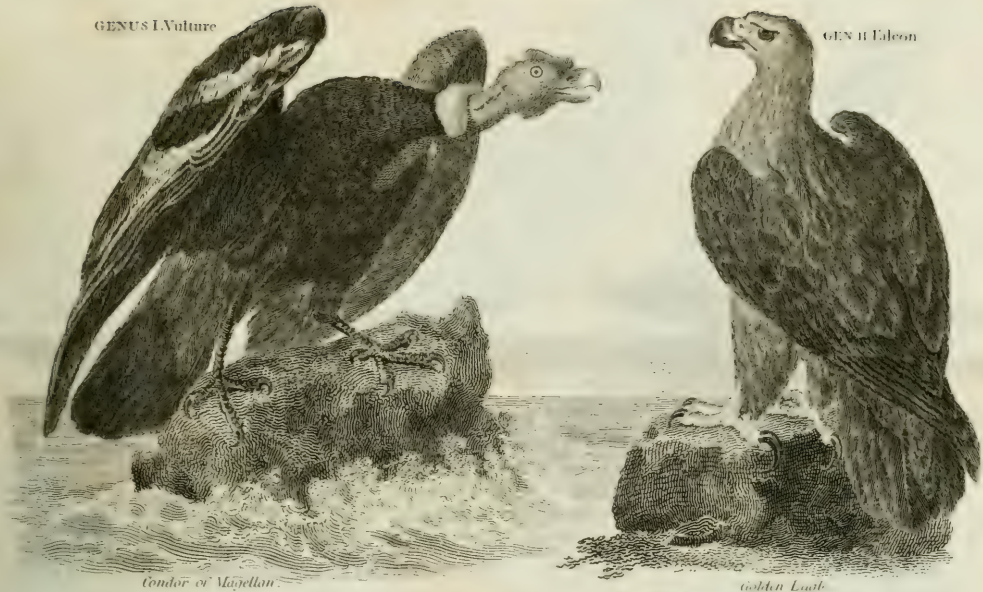




1.P. Macrocephalus. Blunt headed C.— 2. var P. Gibbosus Schreb. Gibbous C.— 3. D. Phocæna Porpoise.— 1. D. Delphis Dolphin

GENUS I. Vulture

GEN II Falcon



Condor or Magellan

Golden Eagle

G.III. Strix.

G II.

G II.

Falcon Gentil.

Horned Owl.

Small Owl

Hobby

GENUS *PSITTACUS*.

Parrot

1 P. *Macao* 2 P. *Alexandri* 3 P. *Estivus, var* 4 P. *Garrulus, var* 5 P. *Moluccensis* 6 P. *Banksii* 7 P. *Pallarius*

Published as the Act directs Aug.st 1.st 1804 by Longman Hurst Rees & Paternoster Row

GENUS *RAMPHASTOS* (Toucan) 1. R. *Piscivorus* — 2. R. *Aracari*.

G. *BUCEROS* (Hornbill) 3. B. *Rhinoceros*.

G. *CROTOPHAGA* (Beef Eater) 4. C. *Ani*.

G. *CROTOPHAGA* (Ani Bird) 5. C. *Major*.

G. *GLAUCOPIS* (Wattle Bird) 6. C. *Cinerea*

GENUS CORVUS Cuvier. GCORACIAS Vieillot.

1 C. Corax 2 C. Frugilegus 3 C. Corycocatactes 4 C. Caudatus 5 C. Graculus 6 C. Graculus

Ravens MAGPIE Nutcrackers JAY CHOUGH

Div.1st Land Birds.—Order 2d PICÆ.

GENUS *ORIOLUS*. Oriole

1. *O. Cristatus.* CRESTED O.
2. *O. Baltimorus.* BALTIMORE O.
3. *O. Persicus.* BLACK & YELLOW O.

4 *NEST of* O. *BALTIMORUS.*

GENUS *CUCULUS* (Cuckow

5. *C. Canorus.* COMMON C.
6. *C. Cupreus.* CUPREOUS C.
7. *C. Indicator.* HONEY GUIDE C.

Published as the Act directs Nov.1 1809 by Longman Hurst Rees & Orme Paternoster.

Div.1.Land Birds_Order 2.d PICÆ.

GENUS *GRACULA*
Grakle.

1.*G.Quiscala*. PURPLE G.
2.*G.Ciba* BALD G.
3.*G.Saularis*. DIAL G.

G *PARADISEA*
Bird of Paradise)

4.*P.Regia*. KING BIRD of P.
5.*P.Apoda*. GREATER BIRD of P.
6.*P.Iuca*. GOLDEN BIRD of P.

G.TODUS
(Tody

7.*T.Macrorhynchos*. GREAT BILLED

1st March. May 30 1783. by Leigh and Sotheby York & Owen Tabistock & Ben

Genus TROGON.
(Curucui)
1.T. Curucui
RED BELLIED C.

G. BUCCO.
(Barbet)
2.B. Lathami - 3.B. Cayanensis var.
——— BLACK SPOTTED B.

G. YUNX.
(Wry-neck)
4.Y. Torquilla.
COMMON WRYNECK

G. PICUS.
(Woodpecker)
5.P. Pileatus — 6.P. Carolinus var.
PILEATED W. — CAROLINA D. Var.

G. SITTA.
(Nuthatch)
7.S. Europea.
— —

Published as the Act directs 1 Jan.y 1812 by I. Taylor at the Ship, Ludgate Hill, London.

GENUS ALCEDO (Kingsfisher)

1.A.Cristata CRESTED K. | 2.A.Venerata VENERATED K. | 3.A.Alcyon BELTED K. | 4.A.Sacra SACRED K.

G.GALBULA (Jacamar)

5.G.Paradisea PARADISE J. | 6.G.Viridis GREEN J.

Published as the Act directs. Sep.1st 1809 by Longman Hurst Rees & Orme Paternoster Row.

GENUS MEROPS
(Bee Eater)

1. M. *Garrulatus*. WATTLED B.E.
2. M. *Novæ Zelandiæ*. NEW ZEALAND B.E.
3. U. *Promerops*. CAPE H.

G. UPUPA
(Hoopoe)

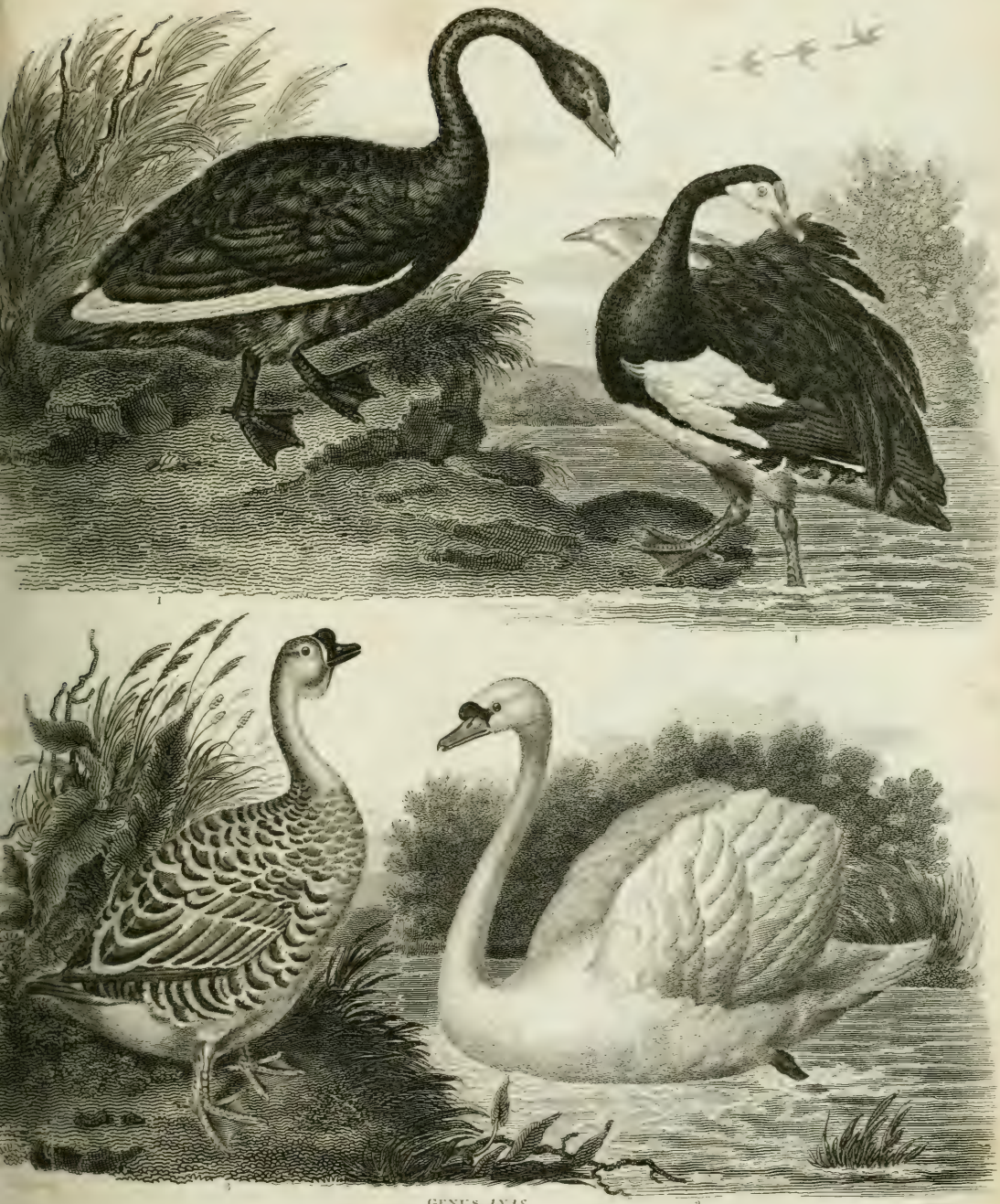
4. U. *Epops*. COMMON H.
5. U. *Erythrorynchos*. RED BILLED H.

THIA

G. TROCHILUS
Humming Bird

1 C. Pacifica — HOOK-BILLED C.
2 C. Obscura — HOOK-BILLED GREEN C
3 C. cayrina — HOOK-BILLED RED C
4 Cœrulia — BLUE C.
5 T. Pelia — TOEAZ H.B.
6 T. Harvatus — LESSER FORKED TAILED H.B.
7 T. Pinnarous — CRESTED H.B.
8 T. Ornatus — TUFTED NECKED H.B.
9 T. [illegible]
10 [illegible]

Published as the Act directs March 1st 1801 by Longman Hurst Rees Orme & Brown



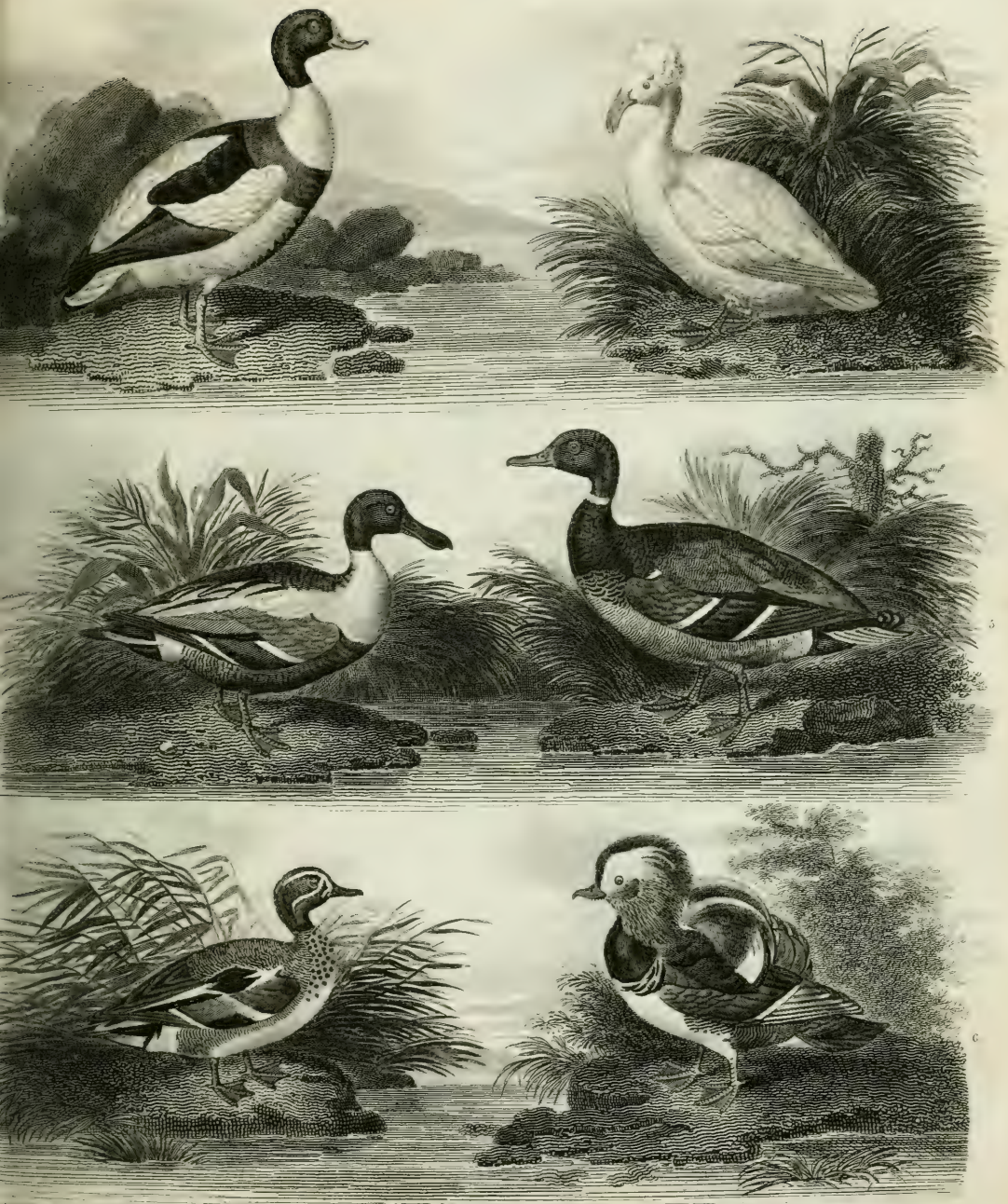
GENUS ANAS (Swan)

1. A. Atrata. BLACK S. 2. A. Olor. TAME S. 3. A. Cygnoides. CHINESE GOOSE. 4. A. Gambensis. SPUR WINGED G.

GENUS ANAS
Swan

1.A.Erythropterus. BERNACLE GOOSE
2.A.Canadensis. CANADA G.
3.A.Spectabilis. GREY HEADED DUCK.
4.A.Moschata. MUSCOVY D.

Published as the Act directs April 1ˢᵗ 1806 by Longman Hurst Rees & Orme Paternoster-r.



GENUS *ANAS* (Swan)

1. A. *Tardona* SHELDRAKE. 2. A. *Clypeata* SHOVELER. 3. A. *Crecca* TEAL. 4. A. *Curvirostra* HOOK BILLED DUCK. 5. A. *Boschas* MALLARD. 6. A. *Galericulata* MANDERINE DRAKE.

Published as the Act directs. Sep.ᵗ 1.ˢᵗ 1807 by Longman Hurst Rees & Orme Paternoster Row.

GENUS *MERGUS* (Merganser)

1.M.*Merganser* GOOSANDER
2.M.*Cucullatus* CRESTED M.
3.M. *Albellus* SMEW

GENUS *ALCA* (Auk)

4.A.*Antiqua* ANCIENT A.
5.A.*Cirrata* TUFTED A.

GENUS *APTENODYTES* (Penguin)

6.A.*Patachonica* PATAGONIAN P.
7.A.*Papua* PAPUAN P.
8.A.M… LITTLE P.

GENUS *PROCELLARIA* & *DIOMEDIA*

Petrel Albatross

1.*P. Capensis* 2.*P. Fuliginosa* 3.*P. Pelagica* 4.*P. Gigantea* 5.*D. spadicea* 6.*D. chlororynchos*

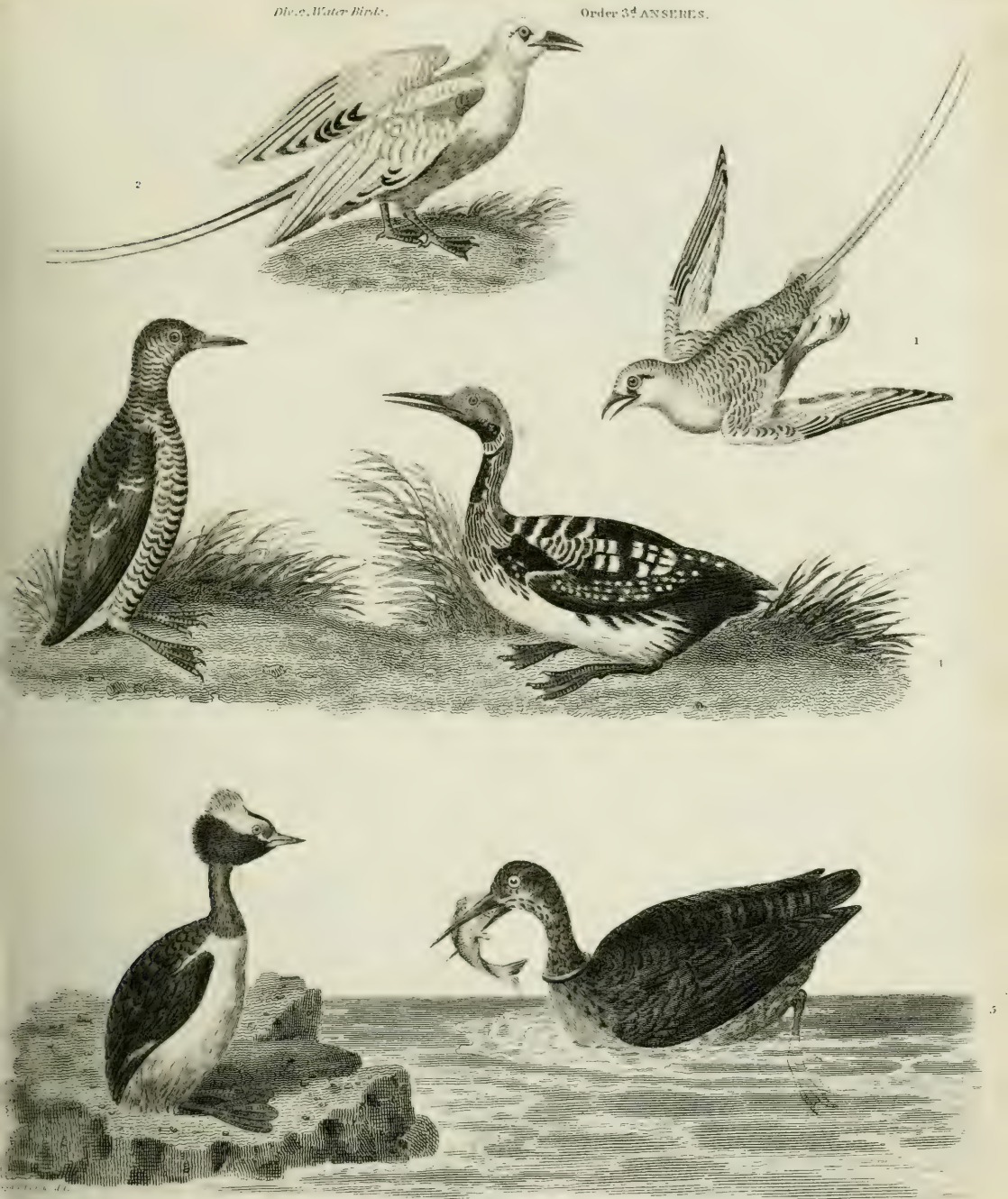
PINTADO P. SOOTY P. STORMY P. GIANT ALBATROSS CHOCOLATE-COLOURED ALBATROSS YELLOW-NOSED ALBATROSS

Edwards del. Published as the Act directs 1 Feb.y 1820 by Longman Hurst Rees Orme & Brown Paternoster Row London

G. *PELECANUS*
Pelecan

GENUS *PLOTUS*
Darter

Div. 2. Water Birds. Order 3d ANSERES.



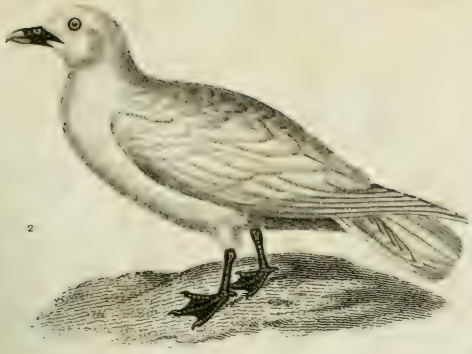
G. *PHAETON*
Tropic Bird

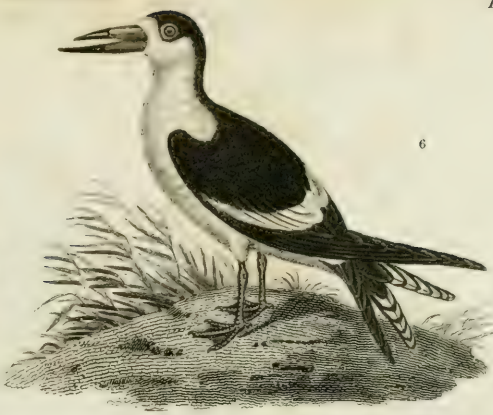
1.V. *Æthereus* COMMON T.
2.V. *Phanicurus* RED TAILED T.

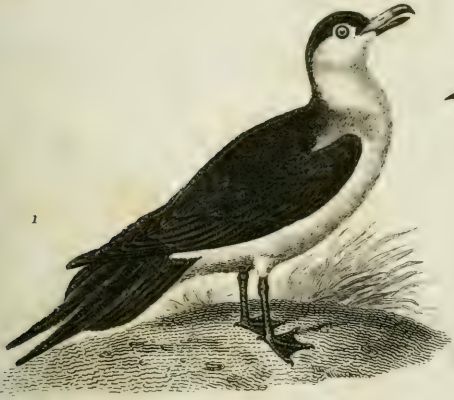
GENUS *COLYMBUS*
Guillemot, Diver, Grebe.

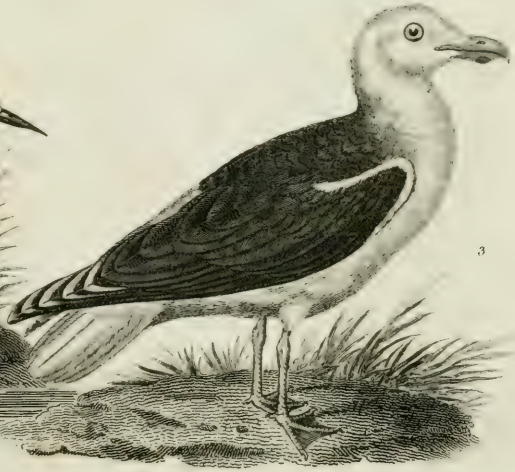
3.C. *Marmoratus* MARBLED G.
4.C. *Arcticus* BLACK-THROATED D.
5.C. *Sinensis* CHINESE D.
6.C. *Cornutus* HORNED G.

Published as the Act ... Jan.y 1st 1809 ... Jones, Guernsey.









	GENUS *LARUS* (Gull)			G. *STERNA* (Tern)		G. *RYNCHOPS* (Skimmer)
1 L. *Parasiticus*	2 L. *eburneus*	3 L. *Marinus*	4 S. *Caspia*	5 S. *stolida*	6 R. *Nigra*
ARCTIC G.	*IVORY G.*	*BLACK BACKED G.*	*CASPIAN T.*	*NODDY S.*	*BLACK S.*

Published as the Act directs Aug.1.st 1811 by Longman Hurst Rees Orme & Brown Paternoster Row.

GENUS *PHENICOPTERUS.*
1.*P.ruber*
RED FLAMINGO.

G.*PLATALEA.*
2.*P.Ajaja.*
ROSEATE SPOON BILL.

G.*PALAMEDEA.*
3.*P.Cornuta.*
HORNED SCREAMER.

G.*MYCTERIA.*
4.*M.Novæ Hollandiæ.*
NEW HOLLAND JABIRU

Order GRALLÆ.

GENUS *CANCROMA* — *G. SCOPUS* — *G. ARDEA*

(Boat-bill) (Umbre Crane

1.*C. Cochlearia* 2.*S. Umbretta* 3.*A. Pavonina* 4.*A. Antigone*

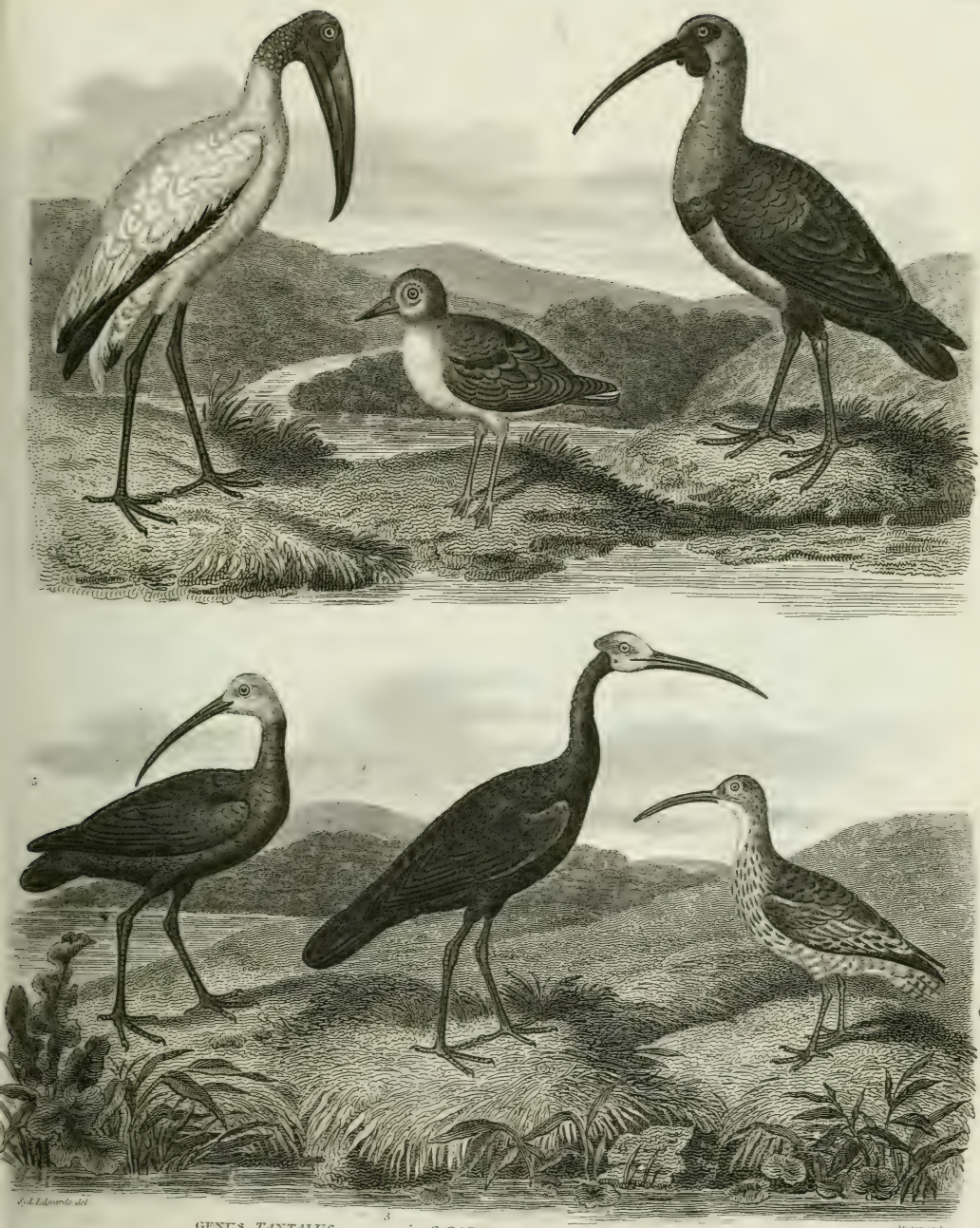
CRESTED B TUFTED U. CROWNED C. INDIAN C.

Published as the Act directs April 12 1810 by Longman, Hurst, Rees, Orme & Brown, Paternoster Row.

GENUS *ARDEA*
Crane.

1.*A. Ciconia*	2.*A. Dubia*	3.*A. Exilis*	4.*A. Egretta*	5.*A. Tigrina*
WHITE STORK	GIGANTIC HERON	MINUTE BITTERN	GREAT EGRET	TIGER BITTERN

Published as the Act directs by J. Sharpless, Philadelphia, Dec. 1, 1824.



Syd. Edwards del

GENUS *TANTALUS* (Ibis)

1. *T. Loculator* WOOD I.
2. *T. Melanopis* BLACK FACED I.
3. *T. Calvus* BALD I.

GENUS *CORRIRA* (Courier)

4. *C. Italica* ITALIAN C.

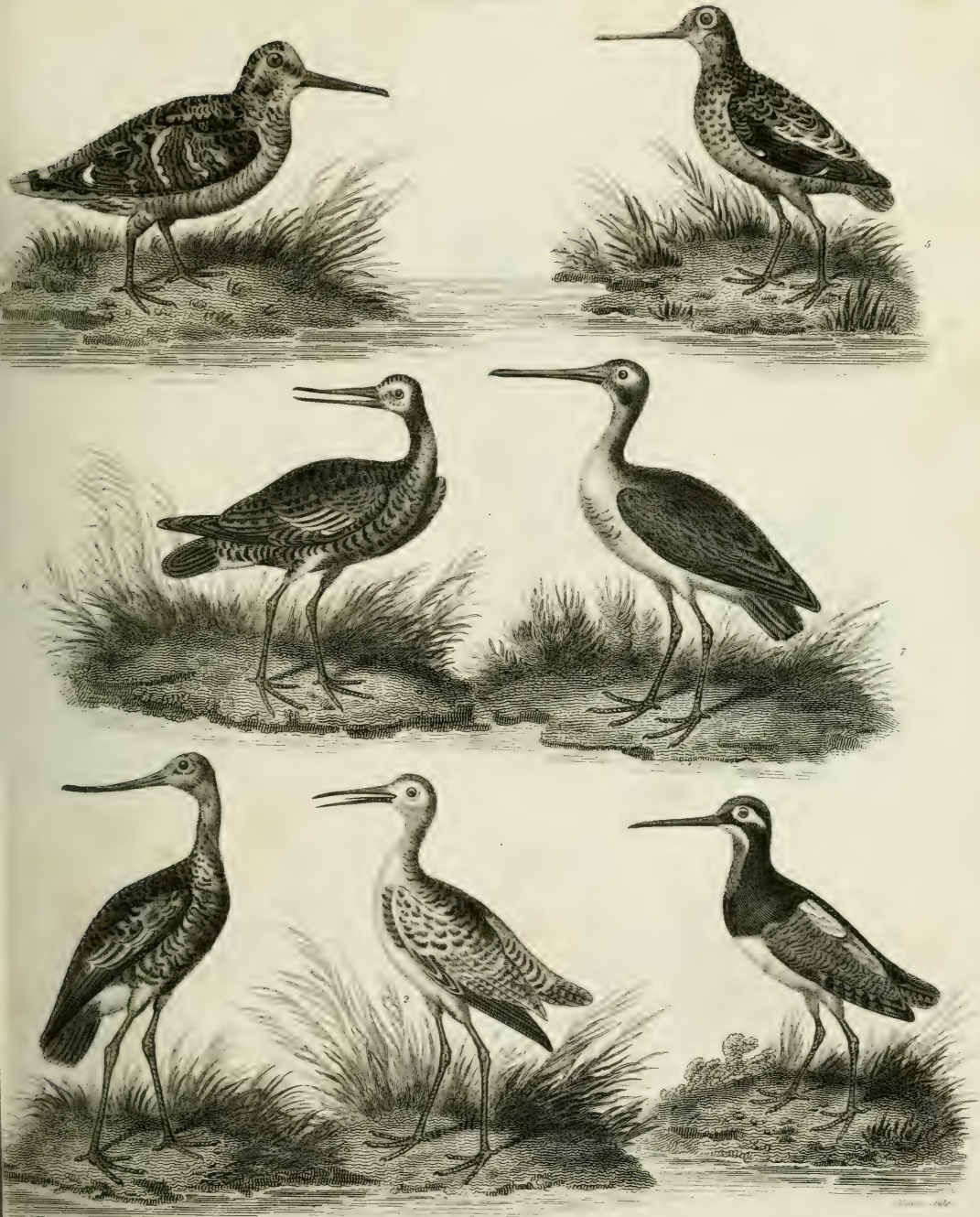
GENUS *SCOLOPAX* (Whimbrel)

5. *S. Leucocephala* WHITE HEADED CURLEW
6. *S. Phaeopus* WHIMBREL

Milton sculp.

Published as the Act directs, Aug.1st 1811 by Longman Hurst Rees, Orme & Brown Paternoster Row

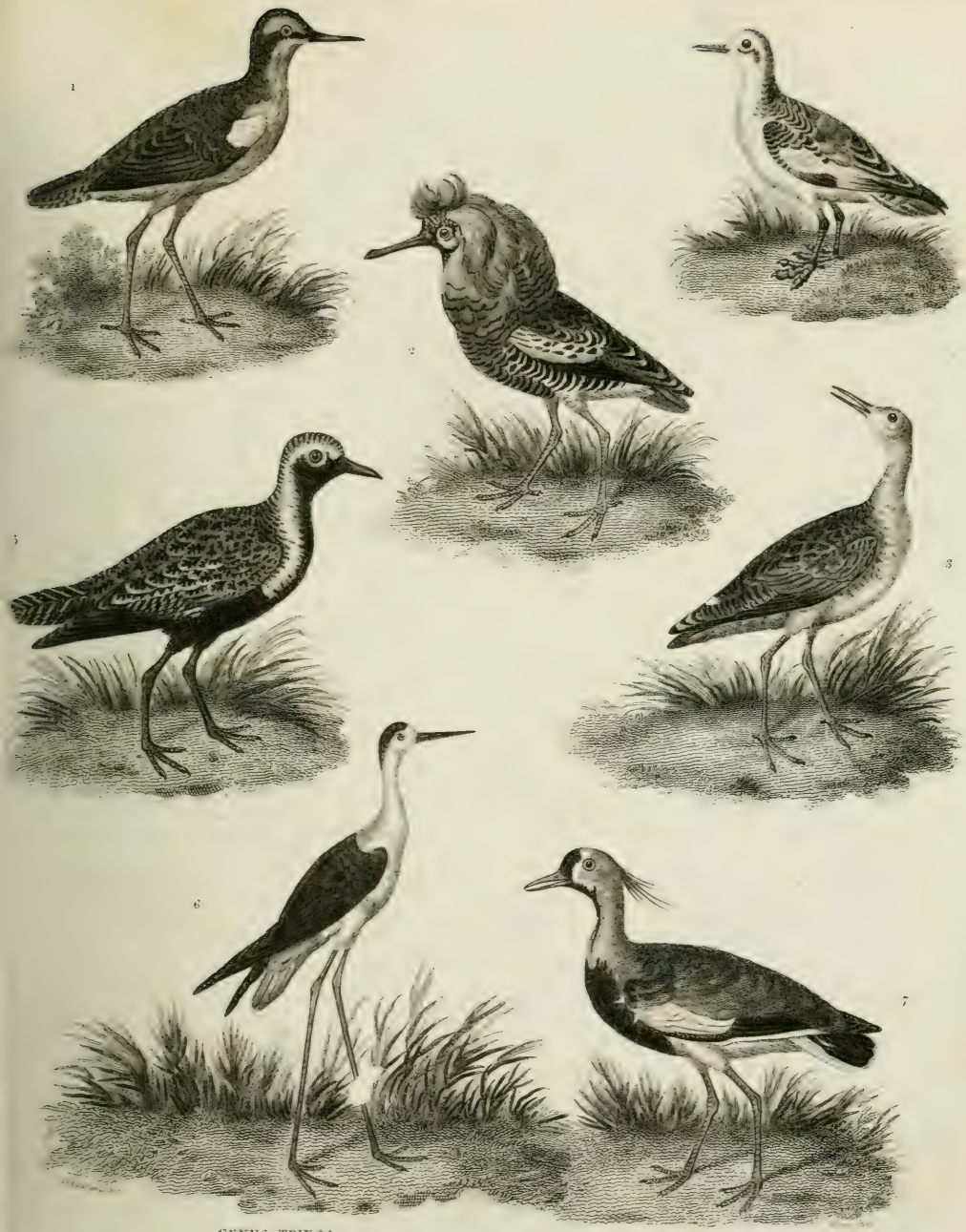
Order GRALLÆ.



GENUS SCOLOPAX

1. S. Lapponica	2. S. Candida	3. S. Capensis	4. S. Rusticola	5. S. Major	6. S. Fedoa	7. S. Limosa
RED GODWIT	WHITE RED SHANK	CAPE SNIPE	WOOD COCK	GREAT SNIPE	AMERICAN GODWIT	LESSER G!

Published as the Act directs, Dec.r 1821, by Longman, Hurst, Rees, Orme & Brown, Paternoster Row



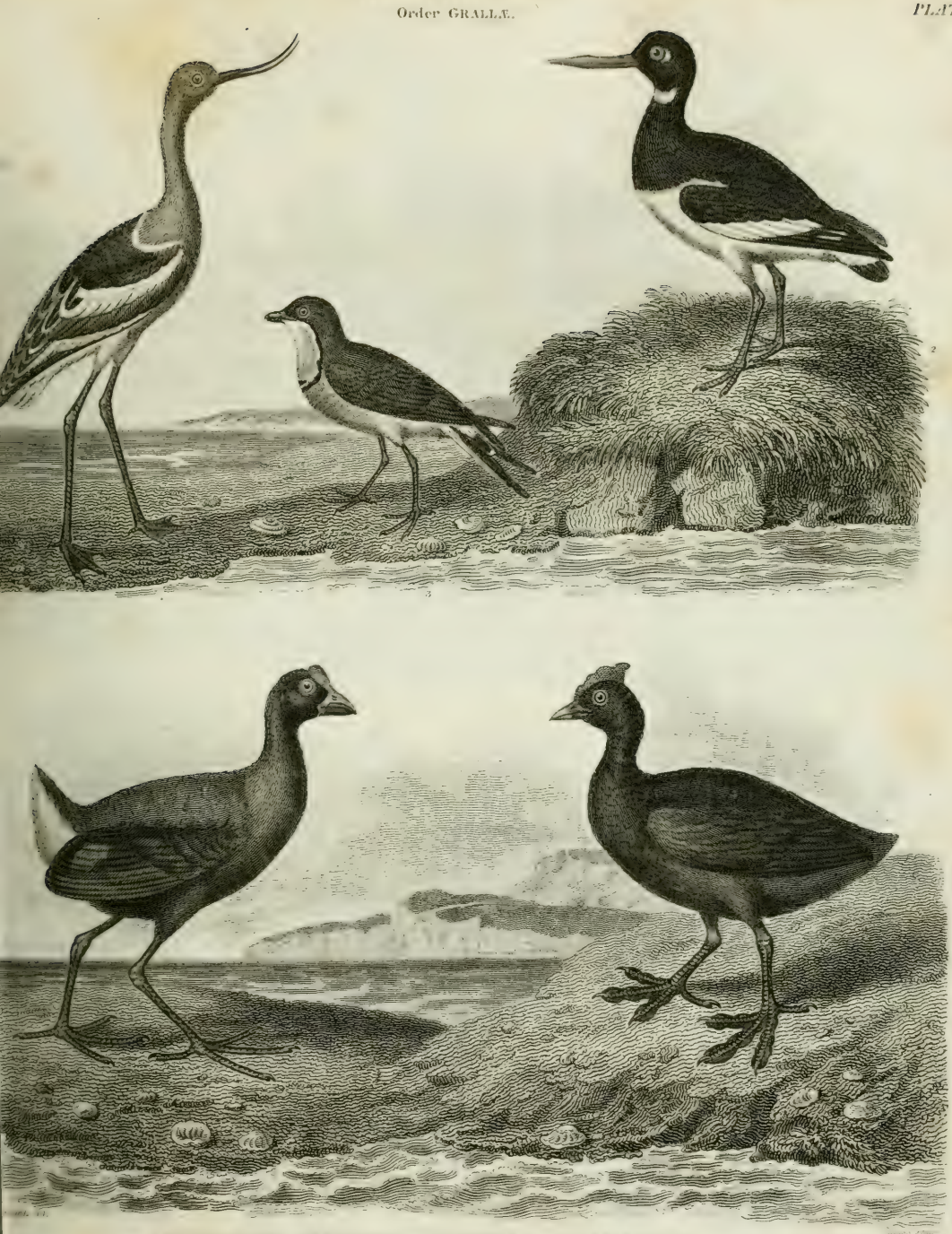
GENUS *TRINGA*
Sandpiper

1 T. *Leucophæa* — WHITE WINGED SP.
2 T. *Pugnax* — RUFF & REEVE
4 T. *Lobata* — GREY PHALAROPE

G CHARADRIUS
Plover

3 C. *Apricarius* — HUMORIM P.
6 C. *Himantopus* — LONG LEGGED P.
7 C. *Spinosus* — SPUR WINGED P.

Published as the Act directs, 1st Aug.st 1834, by Longman, Rees, Orme, Brown & Green, Paternoster Row.



G. RECURVIROSTRA	G. HÆMATOPUS	G. GLAREOLA	GENUS FULICA	
(Avocet)	(Oyster-catcher)	(Pratincole)	(Gallinule & Coot	
1. R. *Americana*	2. H. *Ostralegus*	3. G. *Austriaca*	4. F. *Porphyrio*	5. F. *Cristata*
AMERICAN A.	*OYSTER C.*	*AUSTRIAN P.*	*PURPLE G.*	*CRESTED C.*

Published as the Act directs 1st Feb. 1828 by Longman Hurst Rees Orme & Brown, Paternoster Row.

G. VAGINALIS	GENUS PARRA		G. RALLUS		G. PSOPHIA
1.V. alba	2.P. Jacana	3.P. Sinensis	4.R. Crex	5.R. variegatus	6.P. crepitans
WHITE SHEATH BILL	CHESNUT JACANA	CHINA J.	LAND RAIL	VARIEGATED R.	GOLD BREASTED TRUMPETER

Published as the Act directs. Feb. 8th 1809. by Longman Hurst Rees & Orme. Paternoster Ro.

GENUS *OTIS*
(Bustard)
O. *Tarda*.
GREAT B. Male 1. Female 2.

GENUS *STRUTHIO*
(Ostrich)
3. S. *Rhea*.
AMERICAN O.
4. S. *Casuarius*.
CASOWARY.
5. S. *Novæ Hollandiæ*.
NEW HOLLAND CASOWARY.

Published as the Act directs, Oct. 1. 1805, by Longman Hurst Rees & Orme Paternoster Row.

GENUS *DODO*

Dodo)

1.*Didus Ineptus*, HOODED D.

GENUS *STRUTHIO*

(Ostrich

2.*S.Camelus*, OSTRICH Male 3.Female

Published According to the Act directed June 1.st 1820 by J. Lowndes West Pa...

GENUS PAVO.

Peacock

1.*P. cristatus.* COMMON PEACOCK.

2.*P. cristatus v. varius.* VARIEGATED or PIED PEACOCK.

3.*P. cristatus var. albus.* WHITE PEACOCK.

4.*P. bicalcaratus* IRIS PEACOCK.

Published as the Act directs April 2nd 1808 by Longman Hurst Rees & Orme Paternoster Row

GENUS *MELEAGRIS* (Turkey)

1.M. *Gallipavo*.

AMERICAN WILD TURKEY.

G. *PENELOPE* (Guan)

2.P. *Cristata*.

GUAN.

G. *CRAX* (Curassow)

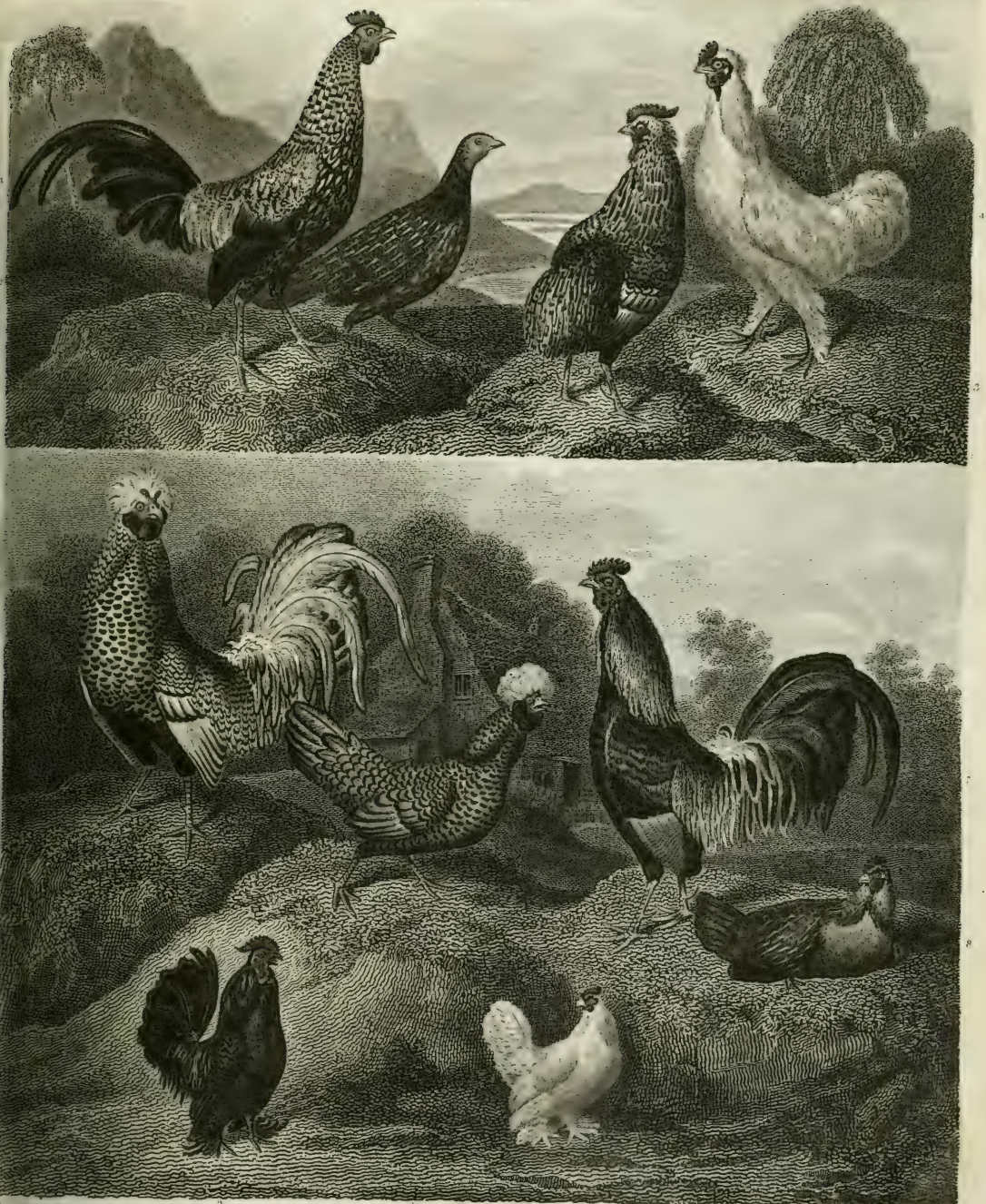
3.C *Alector*. 5.C *Pauxi*.

CURASSOW. Male. ♀ Female. *CUSHEW.*

Published as the Act directs Aug 1.1805, by Longman, Hurst, Rees, & Orme, Paternoster Row.

Div.2d Land Birds Order GALLINÆ.

GENUS PHASIANUS



P.Gallus 1.Wild Cock. 3.Rumpless Cock. 5.Hamburgh Cock 7 Game Cock 9 Bantam Cock } Varieties.
2. Hen 4 Silky Cock. 6. Hen. 8 Hen 10 Hen }

Published August 1st 1807 by Longman Hurst, Rees & Orme, Paternoster Row.

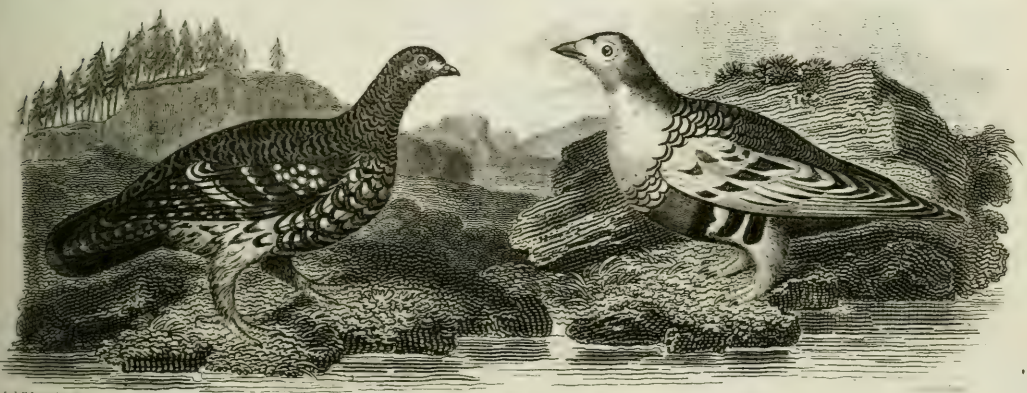
P. *Gallus* 11. Malay Cock. 13. Dorking Cock. 15. Frizzled Cock. } *Lunctus*
12. ..... Hen. 14. ..... Hen. 16. ..... Hen. }

Published as the Act directs May 1st 1808 by Longman Hurst Rees & Orme Paternoster Row.

GENUS *PHASIANUS* Pheasant.

1 P. *Colchicus*. COMMON P. — 2 P. *Pictus* GOLD P. — 3 P. *Nycthemerus* SILVER P. — 4 P. *Argus* ARGUS P.

Div 1st Land Birds ... Order GALLINÆ.



Syd. Edwards del.

GENUS NUMIDIA_G. TETRAO

(Pintado) (Grous)

1.N. Meleagris	2.N. cristata	3.T. Umbellus	4.T. Ilehata	5.T. Canadensis	6.T. paradoxus
GUINEA HEN or PINTADO	CRESTED P.	RUFFED or RUFF NECKED GROUS.	PINTAILED G.	SPOTTED G.	HETEROCLITOUS

A Edwards &c.

GENUS *TETRAO*

Grouse

1.T. *Perdix*	2.T. *Cerviginosus*	3.T. *Gibraltariæ*	4.T. *Marylandus*	5.T. *viridis*	6.T. *Major*	7.T. *variegatus*
COMMON PARTRIDGE	HACKLED P.	GIBRALTAR 3 TOED QUAIL	MARYLAND Q.	GREEN O. Male	GREAT TINAMOU	VARIEGATED T.

Milton fecit

1 C. *Chalcoptera*. BRONZE WINGED P. — 2 C. *Erythroptera*. GARNET WINGED P. — 3 C. *Macroura* GREAT TAILED P. — 4 C. *Nicobarica*. NICOBAR P. — 5 C. *Curvirostra*. HOOK BILLED P. — 6 C. *Capensis*. CAPE TURTLE. — 7 C. *Coronata*. GREAT CROWNED P.

Published as the Act directs. June 1. 1808. by Longman, Hurst Rees & Orme Paternoster Row.

GENUS ALAUDA — Lark

1. A. Capensis — CAPE L.

GENUS STURNUS — Starling

2. S. Militaris — MILITARY S.

3. S. Carunculatus — WATTLED S.

GENUS CAPRIMULGUS — Goatsucker

4. C. Grandis — GRAND G.

5. C. Longipennis — LEONA G.

Published as the Act directs, July 1, 1[illegible] by J. [illegible] Hurst Rees Orme [illegible]

GENUS *TURDUS*
Thrush

1.T.Orphæus	2.T.Rufus	3.T.perspicillatus	4.T.crassirostris	5.T.cyanurus	6.T.longirostris
MOCKING T.	KING T.	SPECTACLE T.	THICK BILLED T.	BLUE TAILED T.	LONG BILLED T.

GENUS *AMPELIS*
Chatterer.

1.*A.Carunculata* CARUNCULATED C.
2.*A.Gotinga* PURPLE BREASTED C.
3.*A.Pompadora* POMPADORE C.
4.*A.Garrula* RED C.

G.*COLIUS*
Coly.

5.*C.Capensis* CAPE C.
6.*C.Erythropus* WHITE BACKED C.

GENUS *LOXIA*
(Grosbeak

1 *L. Lineola* LINEATED G. — 2 *L. cucullata* CRESTED DOMINICAN G. — 3 *L. Philippina* PHILIPPINE G. — 4 *Nest of Philippine G.* — 5 *L. Cardinalis* CARDINAL G. — 6 *L. Astrild* WAXEN BILLED G. — 7 *L. Flabellifera* FAN TAILED G.

Published as the Act directs Dec.ʳ 1.ˢᵗ 1820, by Longman Hurst, Rees & Orme Paternoster Row.

GENUS EMBERIZA

Bunting

1. E. Paradisea — WHIDAH B.
2. E. Ciris — PAINTED B.
3. E. Regia — SHAFT-TAILED B.
4. E. provincialis — MUSTACHOE B.
5. E. Americana — BLACK THROATED B.
6. E. Hortulana — ORTOLAN B.

Published as the Act directs Jan.ʸ 8.ᵗʰ 1811 by Longman Hurst Rees Orme & Brown Paternoster Row.

GENUS *TANAGRA*. (Tanager)

1. T. *Tatao*. PARADISE T.
2. T. *Capitalis*. CAPITAL T.
3. T. *Jacapa*. RED-BREASTED

GENUS *FRINGILLA*. (Finch)

4. F. *Jonita*. FIRE FINCH.
5. F. *Flammea*. CRIMSON CROWNED F.
6. F. *Bengalus*. BLUE BELLIED F.
7. P. *Pittacea*. PARROT.

G. *PHYTOTOMA*

8. P. *Rara*. CHILI PHYTOTOMA

Published as the Act directs Jan.ʸ 2.d 1808 by Longman Hurst Rees & Orme Paternoster Row

Order PASSERES.

GENUS *MUSCICAPA*
(Fly Catcher)

1.M.*Bicolor* BLACK & WHITE F.C.
2.M.*Barbata* WHISKERED F.C.
3.M.*Tyrannus* FORKED-TAILED F.C.
4.M.*Malaçhura* SOFT-TAILED F.C.
5.M.*Flabellifera* FAN-TAILED F.C.

G *MOTACILLA*
(Warbler)

6.Mot.*Cyanea* SUPERB WHEAT EAR
7.M.*Madraspatensis* FIELD WAG-TAIL

Published as the Act directs Dec.1.1810. by Longman,Hurst Rees Orme & Brown Paternoster Row.

G. *MOTACILLA* Warbler

1 M. *pileata* BLACK-HEADED W.

2 M. *Spinicauda* THORN-TAILED W

3 M. *Succica* BLUE-THROATED W.

GENUS *PIPRA* Manakin

4 P. *Rupicola* ROCK M.

5 P. *Striata* STRIPED-HEADED M.

6 P. *Leucocephala* WHITE-CAPPED M.

7 P. *Punctata* SPECKLED M.

Published as the Act directs Dec 1.1811. by Longman Hurst Rees Orme & Brown Paternoster Row

GENUS *PARUS*
Titmouse

1.P. *Macrocephalus* GT. HEADED T.
2 *V. cristatus* CRESTED T.
3.M. *indica* B. HEADED S.
4.H. *esculenta* ESCULENT S
5 NEST
6.H. *Tahitica* OLIVE T.
7.H. *Pelagica* ACUTE TAILED S.

GENUS *HIRUNDO*
Swallow

Published as the Act directs June 1st 1809 by Longman Hurst Rees & Orme

ORNITHOLOGY.

Elementary.

Strix flammea

Strix passerina

Strix stridula

Strix brachyotos

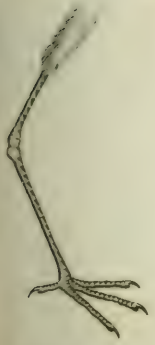
Tetrao lagopus

Tetrao urogallus

Falco Chrysaetos

Ardea minuta

Motacilla regulus



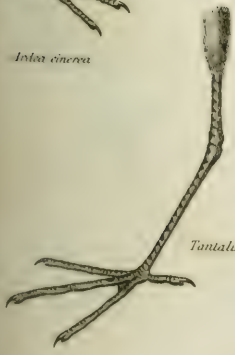
Ardea cinerea

Tetrao tetrix

Alauda obscura

Glareola austriaca

Charadrius himantopus



Tantalus Ignens

Platalea ajaja

Hæmatopus ostralegus

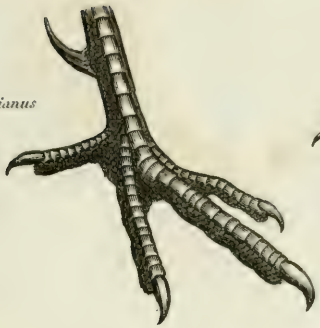
Published as the Act directs, Jan.ʸ 1ˢᵗ 1812, by Longman, Hurst, Rees, Orme & Brown, Paternoster Row.

Wilson sculp.

Elementary.

Parus

Phasianus



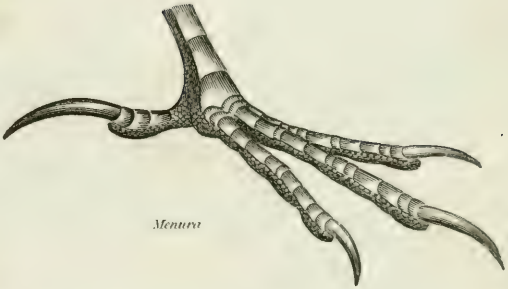
Pavo

Corvus

Pelicanus

Struthio cassuarius

Struthio Camelus

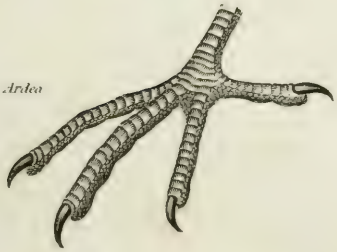


Menura

Cereopsis

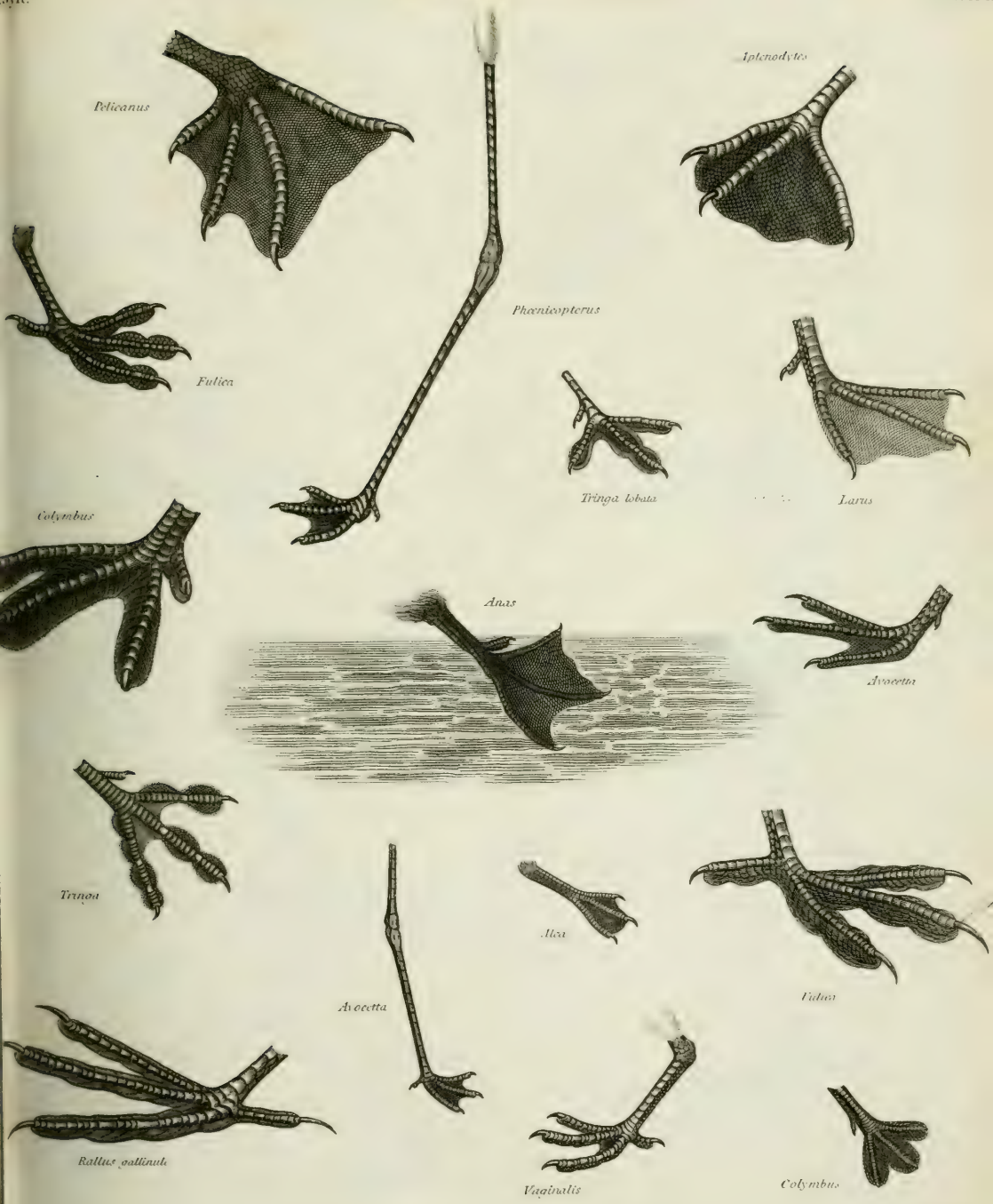
Otis

Ardea



Paradisea

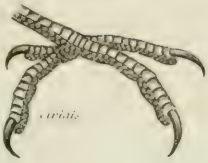
Published as the Act directs March 1.1810. by Longman. Hurst Rees Orme & Brown Paternoster Row.



Published as the Act directs May 1.1819. by Longman Hurst Orme & Brown Paternoster Row

Elementary.

Mesoplagus



Picus viridis

Picus martius

Alauda

Alauda obscura

Coliae

Alcedo

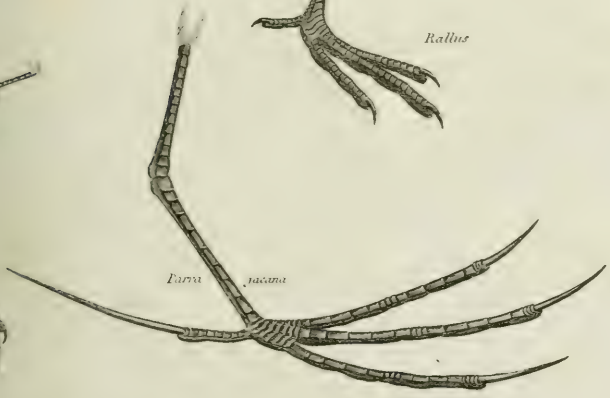
Falco

Parra

Rallus

Colymbus Podiceps

Sterna



Parra jacana

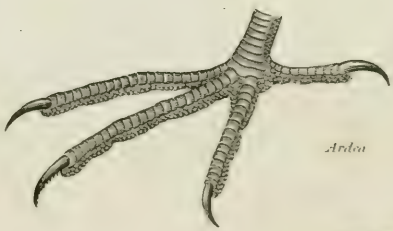
Turdus

Sitta

Motacilla

Glareola

Pipra

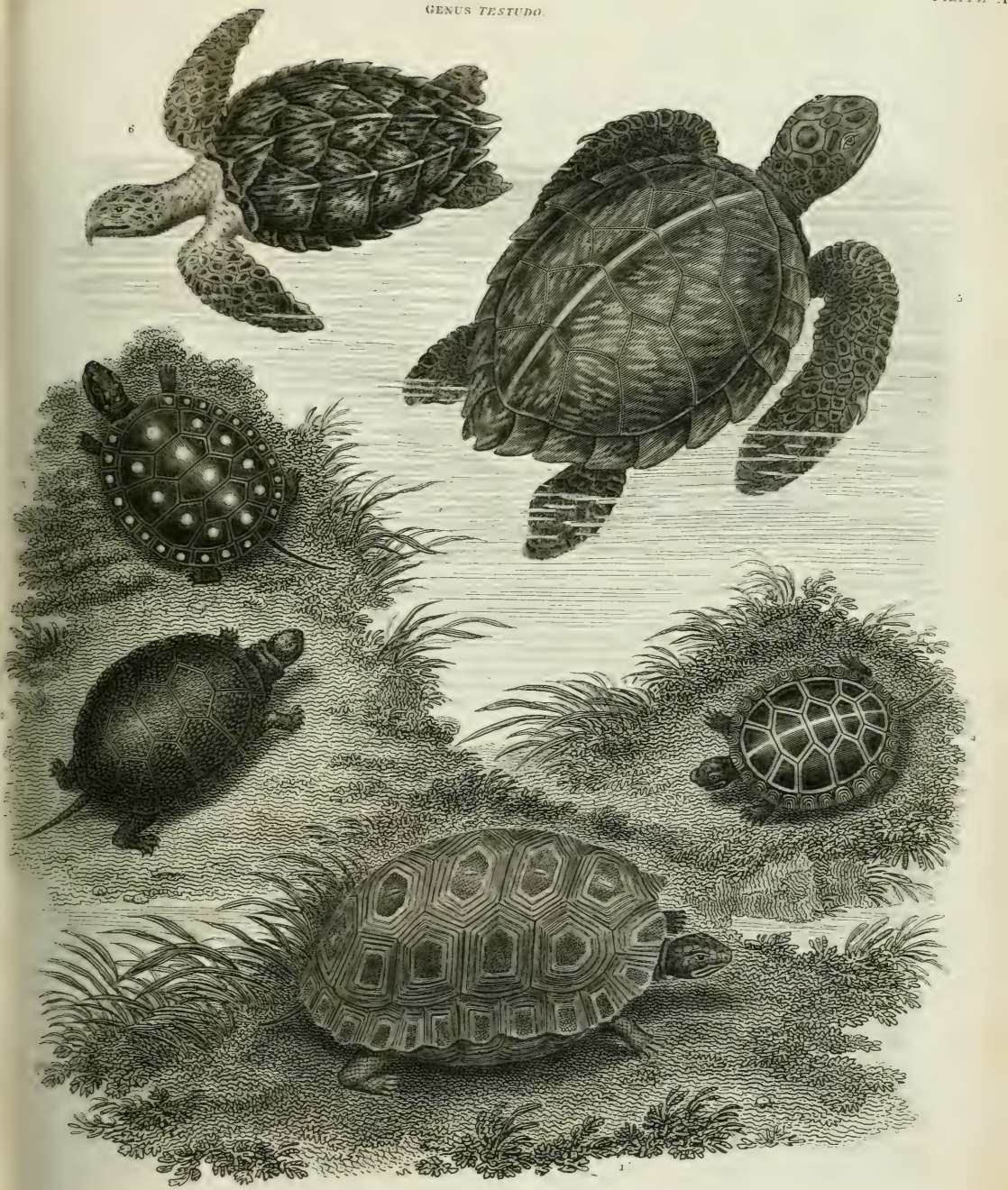


Ardea

Published as the Act directs Feb.1.1816. by Longman Hurst Rees Orme & Brown Paternoster Row

AMPHIBIA.

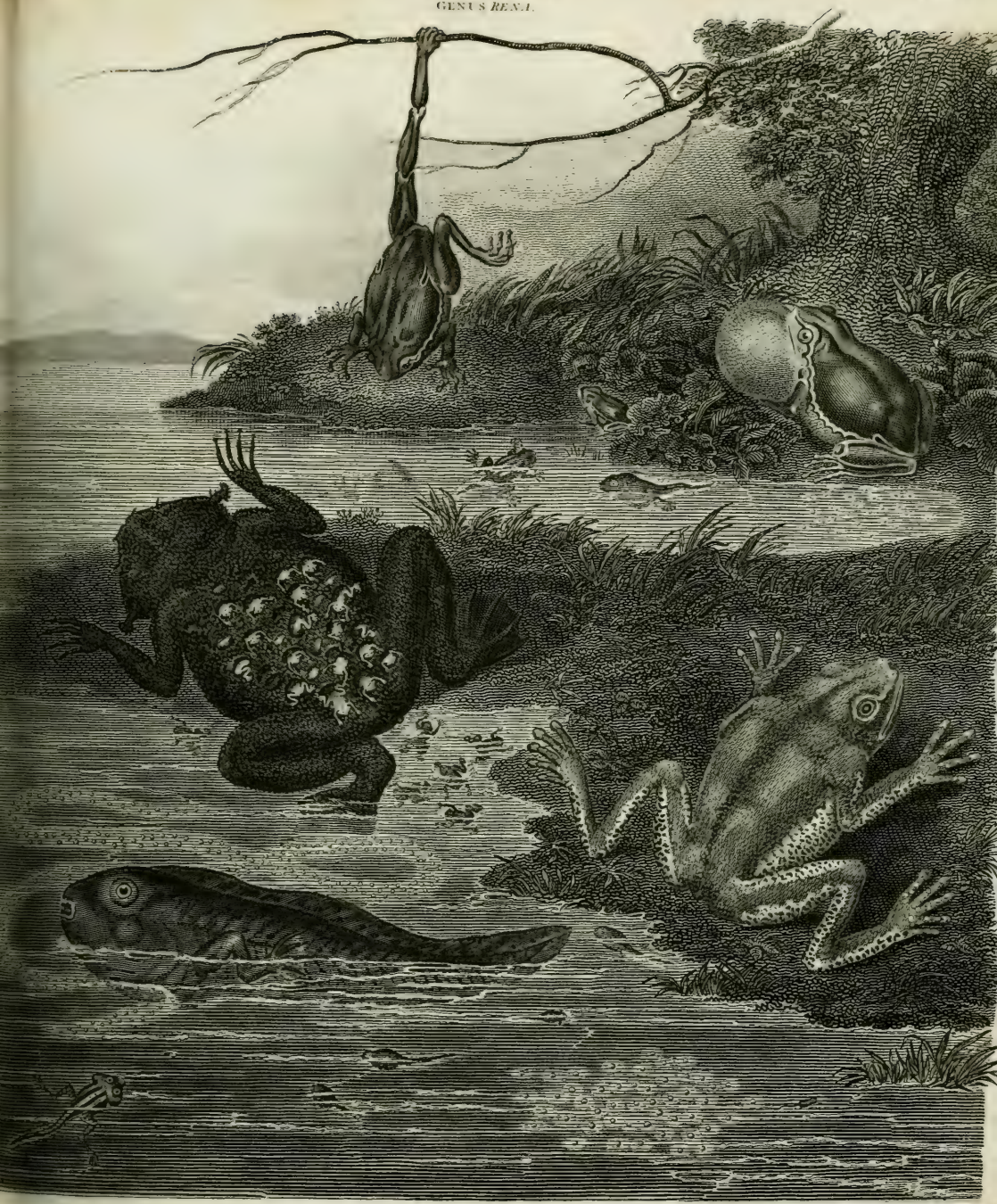
GENUS *TESTUDO*.



1 *T. denticulata* DENTICULATED TORTOISE
2 *T. Europæa* GREEN SPECKLED T.
3 *T. guttata* SPOTTED T.
4 *T. picta* PAINTED T.
5 *T. Mydas* ESCULENT GREEN TURTLE
6 *T. imbricata* HAWKSBILL TU

Published as the Act directs, Oct. 1.1815, by Longman Hurst Rees, Orme & Brown Paternoster Row

GENUS *RENA*.



Family Frog Family Toad

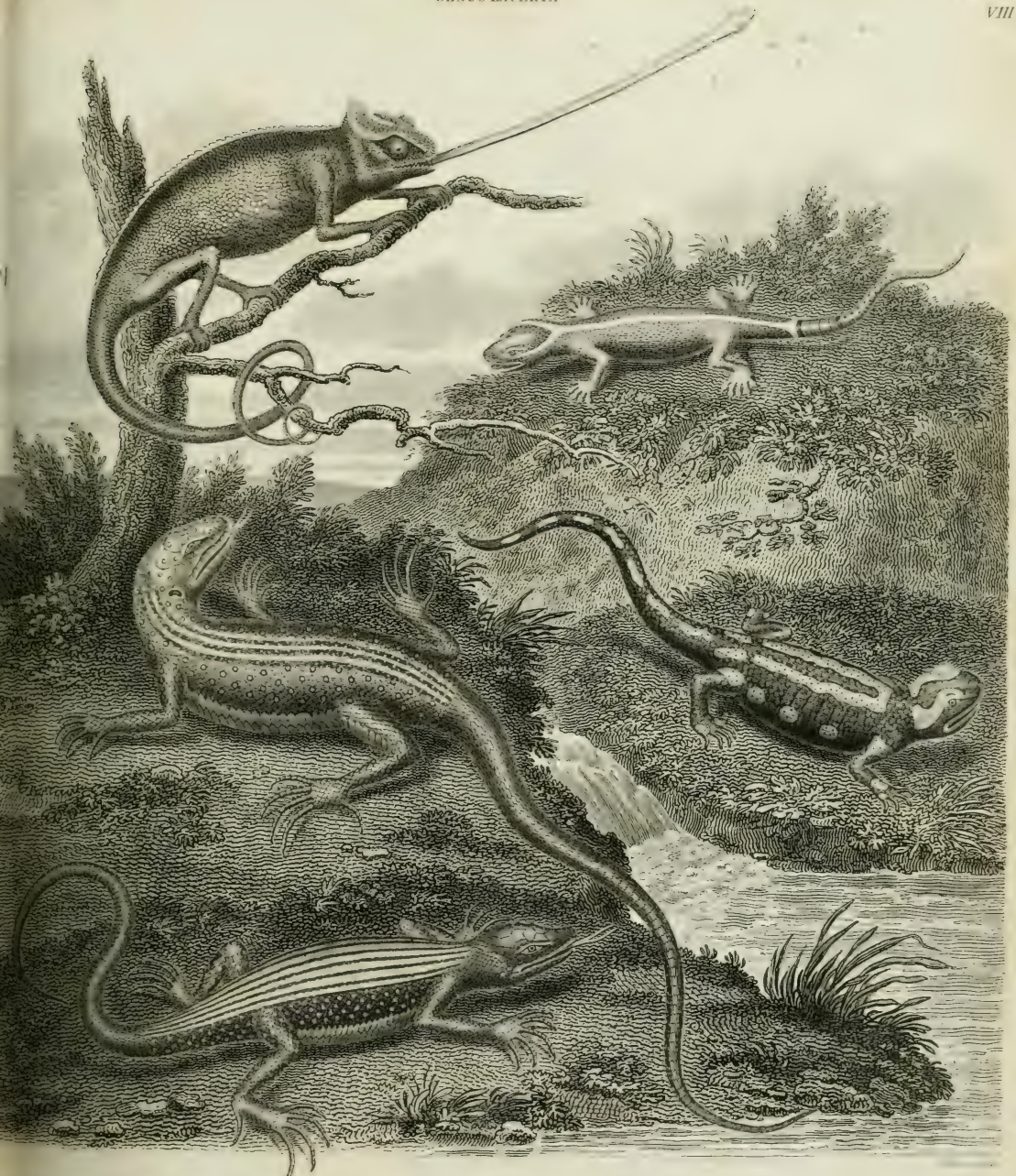
1.R. *Pipa*. SURINAM TOAD with its Young.

2.R. *Bicolor*. TWO COLOURED FROG

3 *Fickle* Tadpole of a PARADOXICAL FROG

4.R. *Arborea*. TREE FROG.

Published [illegible] by Longman Hurst Rees & Orme Paternoster Row.



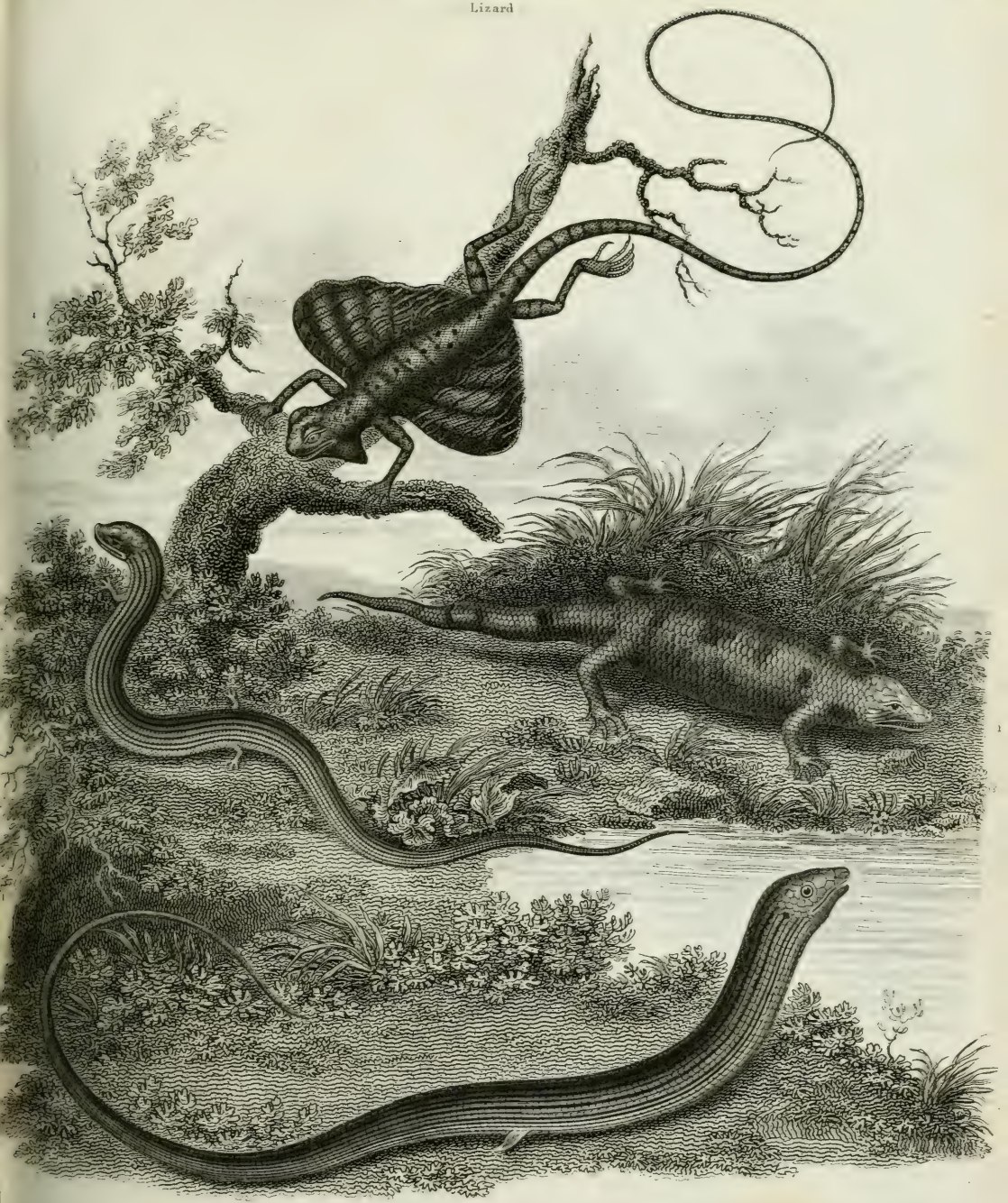
1.L. *Salamandra* SALAMANDER | 2.L. *Vittata* FORKED L. | 3.L. *Chamæleon* CHAMÆLEON | 4.L. *Agilis* GREEN L. | 5.L. *Lemniscata* EIGHT LINED L.

Published as the Act directs Jan.ʳʸ 1803 by Longman Hurst Rees Orme & Brown Paternoster Row.

AMPHIBIA.

GENUS *LACERTA*. *G. DRACO*

Lizard

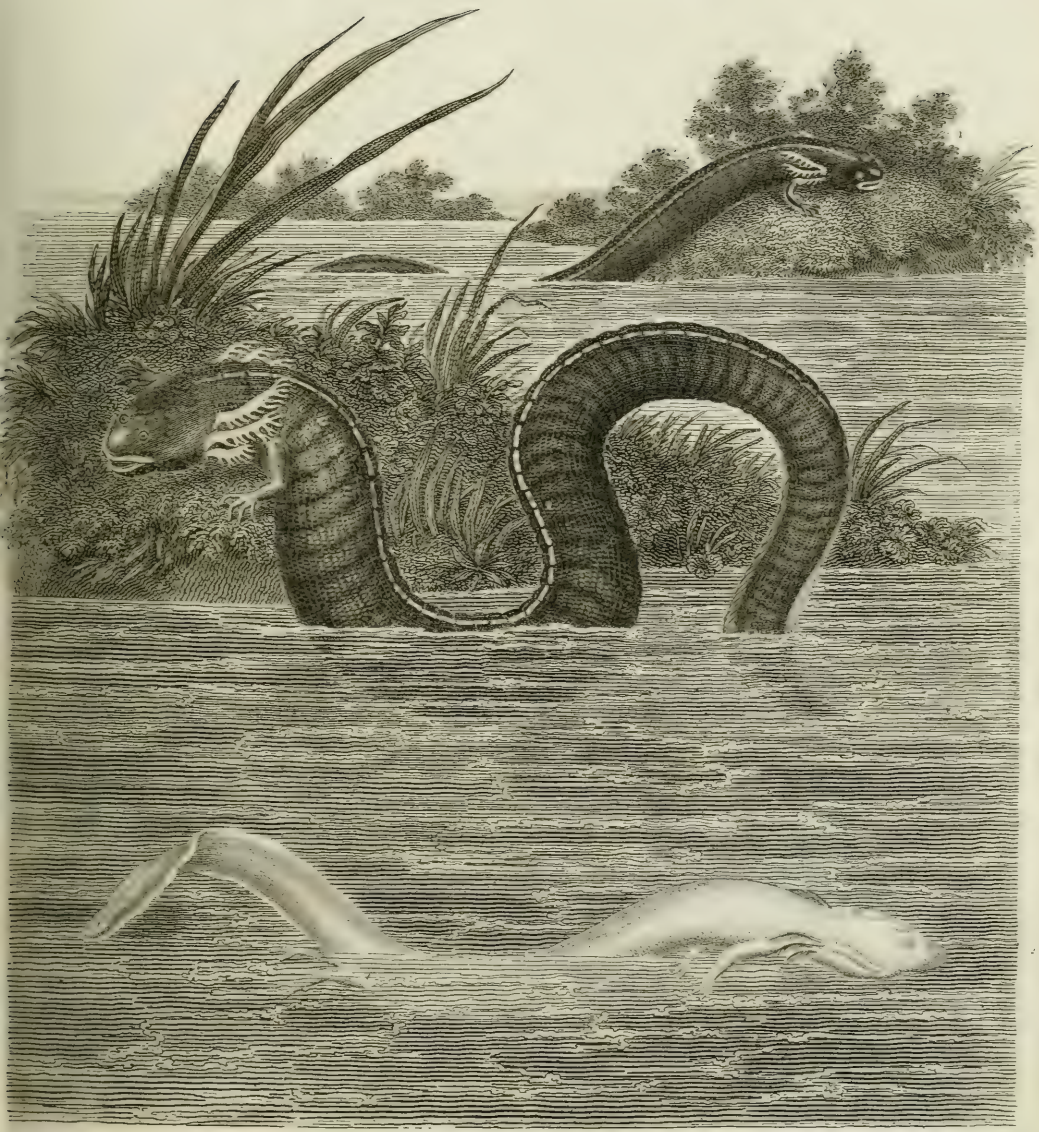


1 *L. scincoides* 2 *L. chalcides* 3 *L. apus* 4 *L. draco*

AUSTRALASIAN GALLIWASP *CHALCIDES L.* *APODAL L.* *FLYING DRAGON*

Milton sculp

Published as the Act directs Feb. 1 1814 by Longman, Hurst, Rees, Orme & Brown, Paternoster Row



1 *S. Lacertina* 2 *S. Anguina*

ED. SIRENIDÆ ANGUIANÆ.

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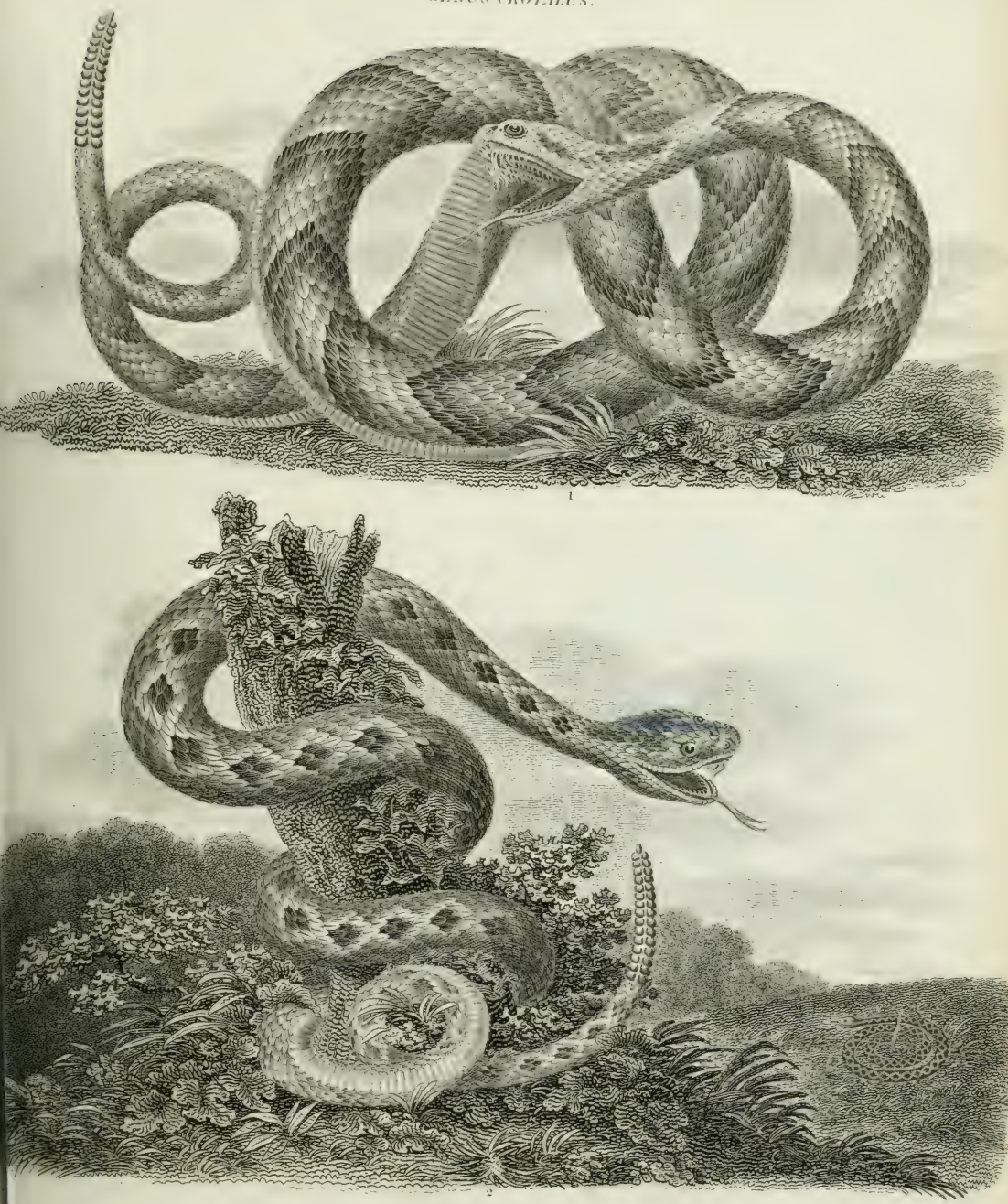

1

2

[Rattle Snake]

1.*C. Horridus*
BANDED R.S.

2.*C. Durissus*
STRIPED R.S.

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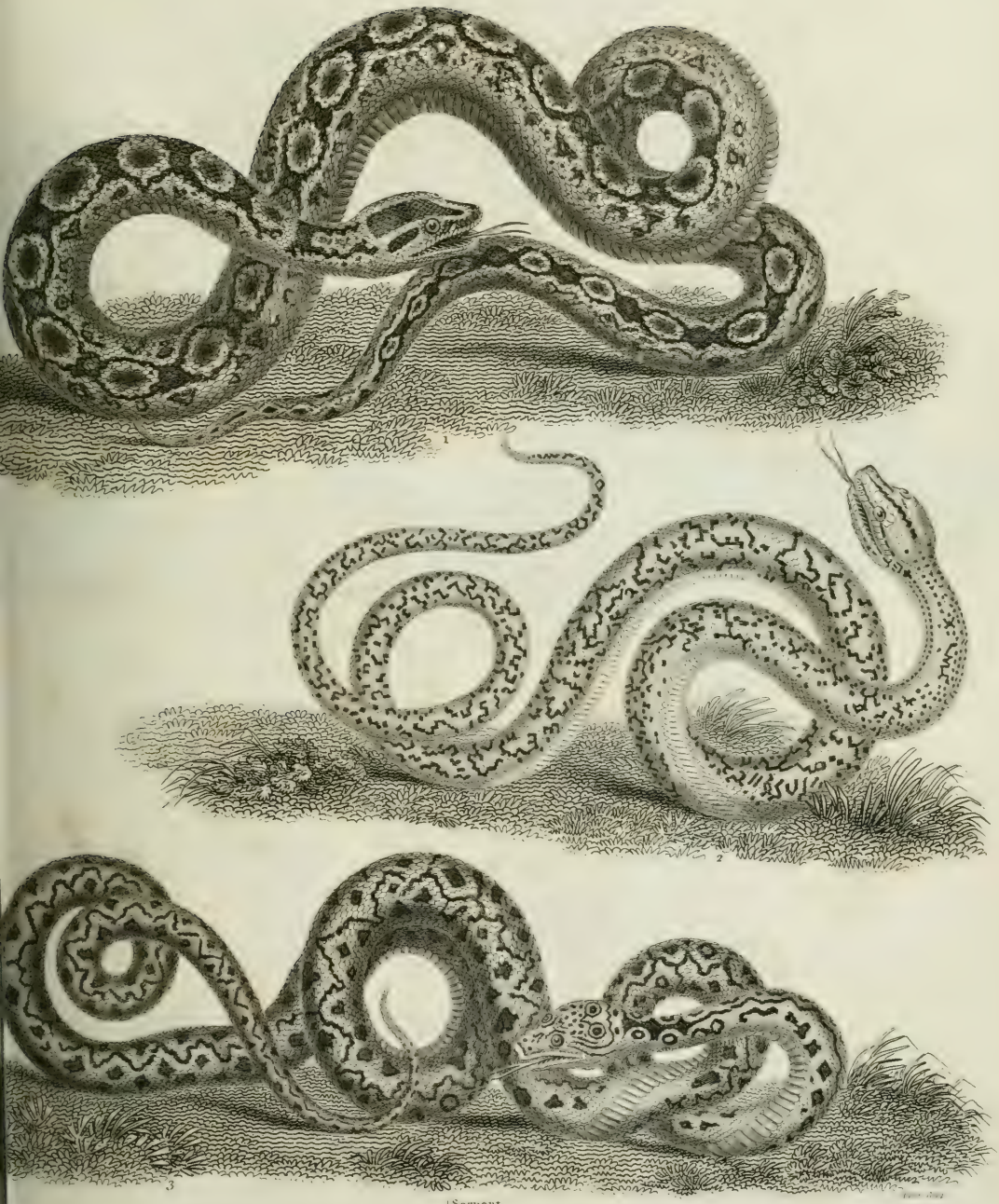

[Serpent

1. B. *Constrictor* GREAT B.
2. B. *Phrygia* EMBROIDERED B.
3. B. *Hortulana* GARDEN B.

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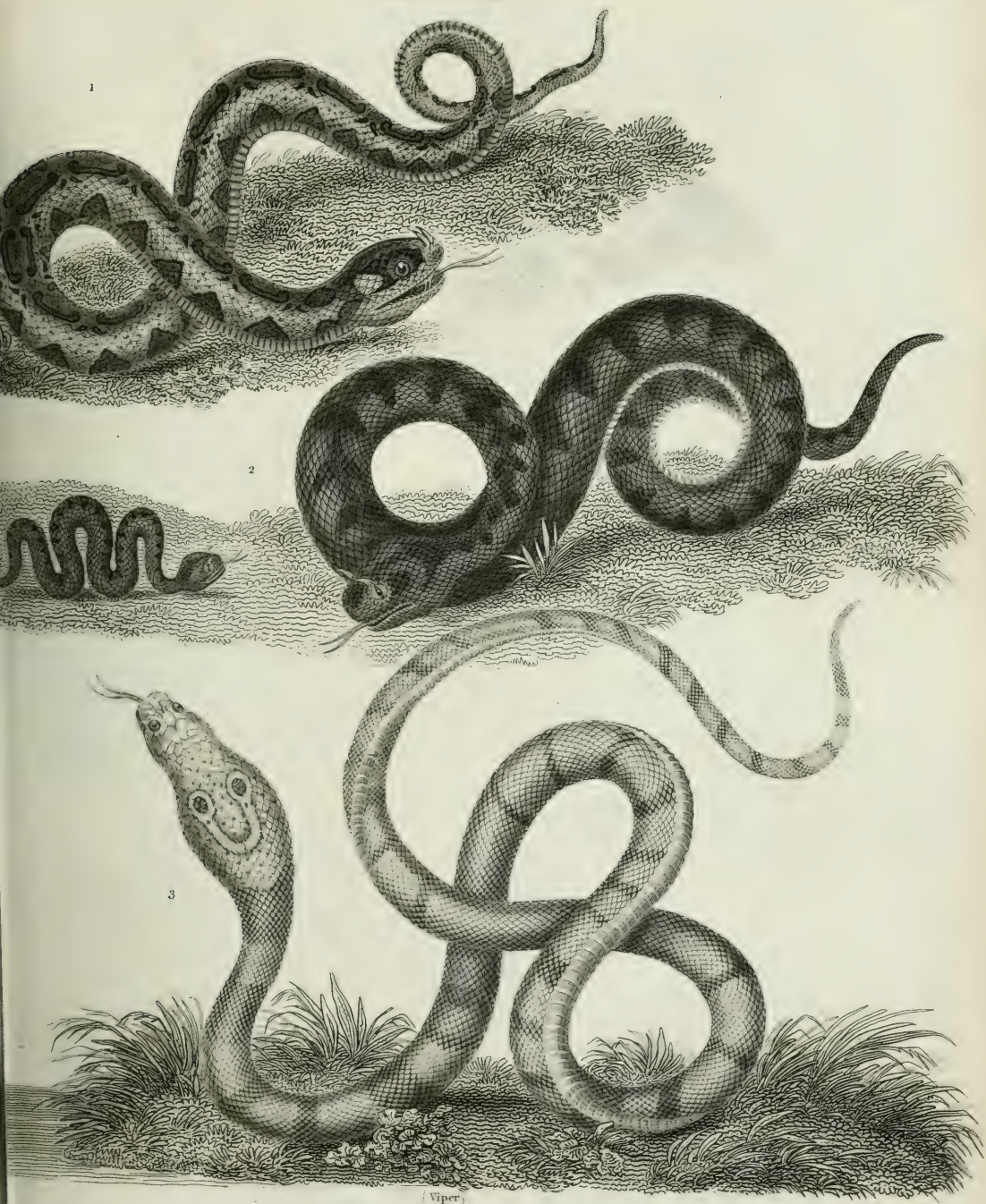

(Viper)

1.C. nasicornis — HORN NOSE V.
2.C. Cerastes — CERASTES V.
3.C. Naja — NAGOO or SPECTACLE V.

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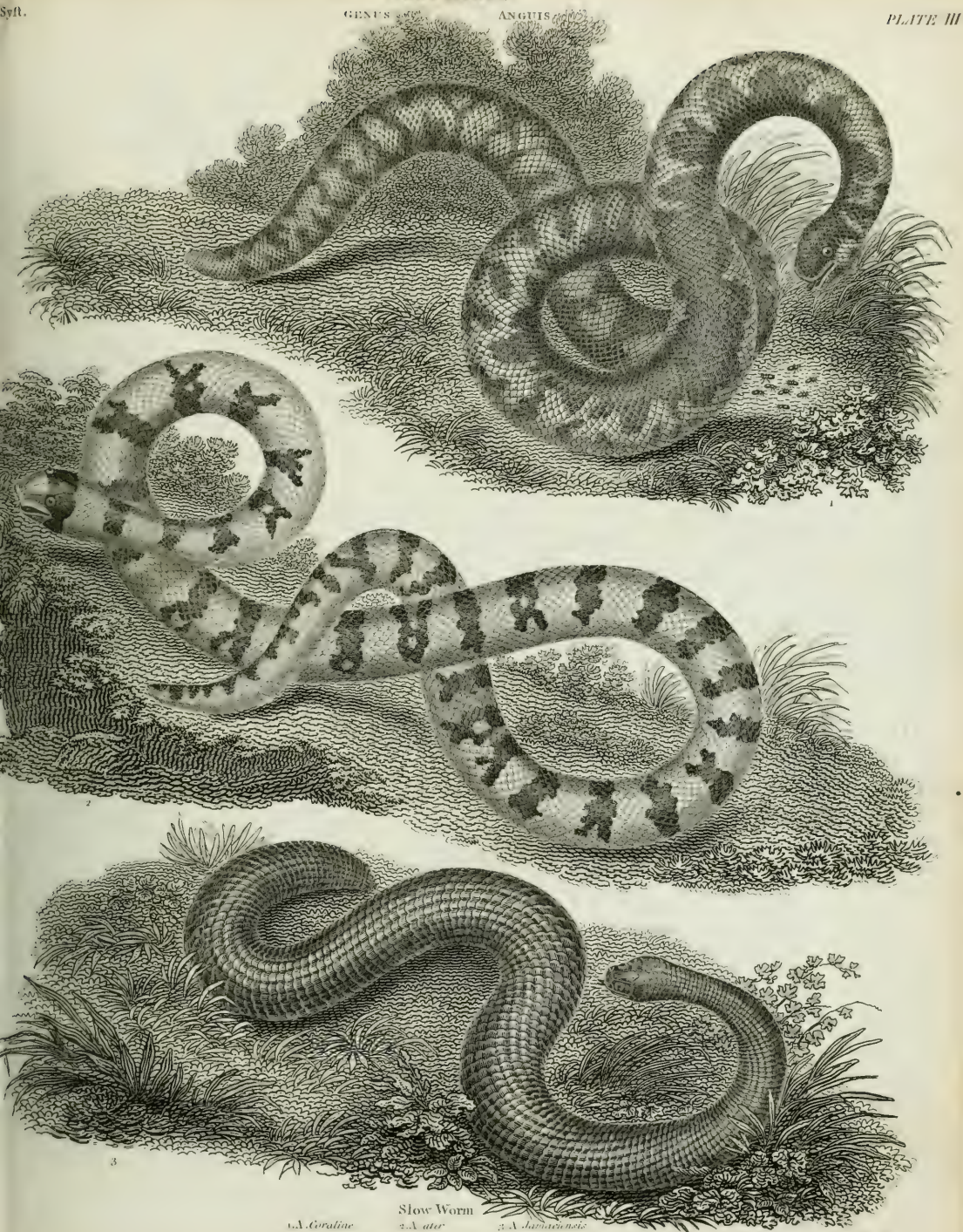
GENUS ANGUIS



Slow Worm

1. *A. Coralina* — CORAL S.
2. *A. ater* — BLACK BANDED S.
3. *A. Jamaicensis* — JAMAICA S.

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GENUS *AMPHISBAENA* — GEN. *CAECILIA*

1. *Alba*. 2. *Fuliginosa*. 3. *C. tentacula*
WHITE A. FULIGINOUS A. EEL SHAPED C

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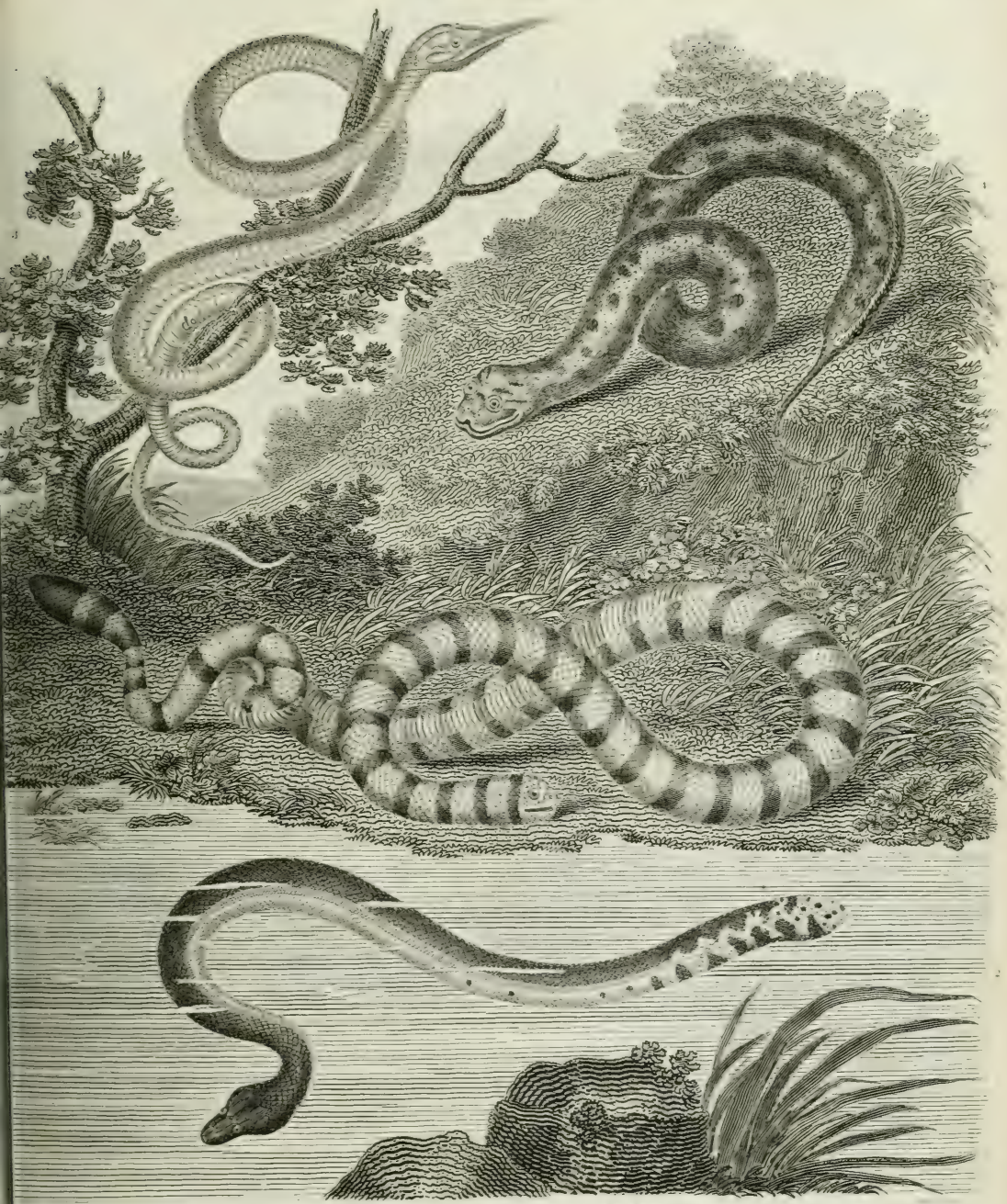
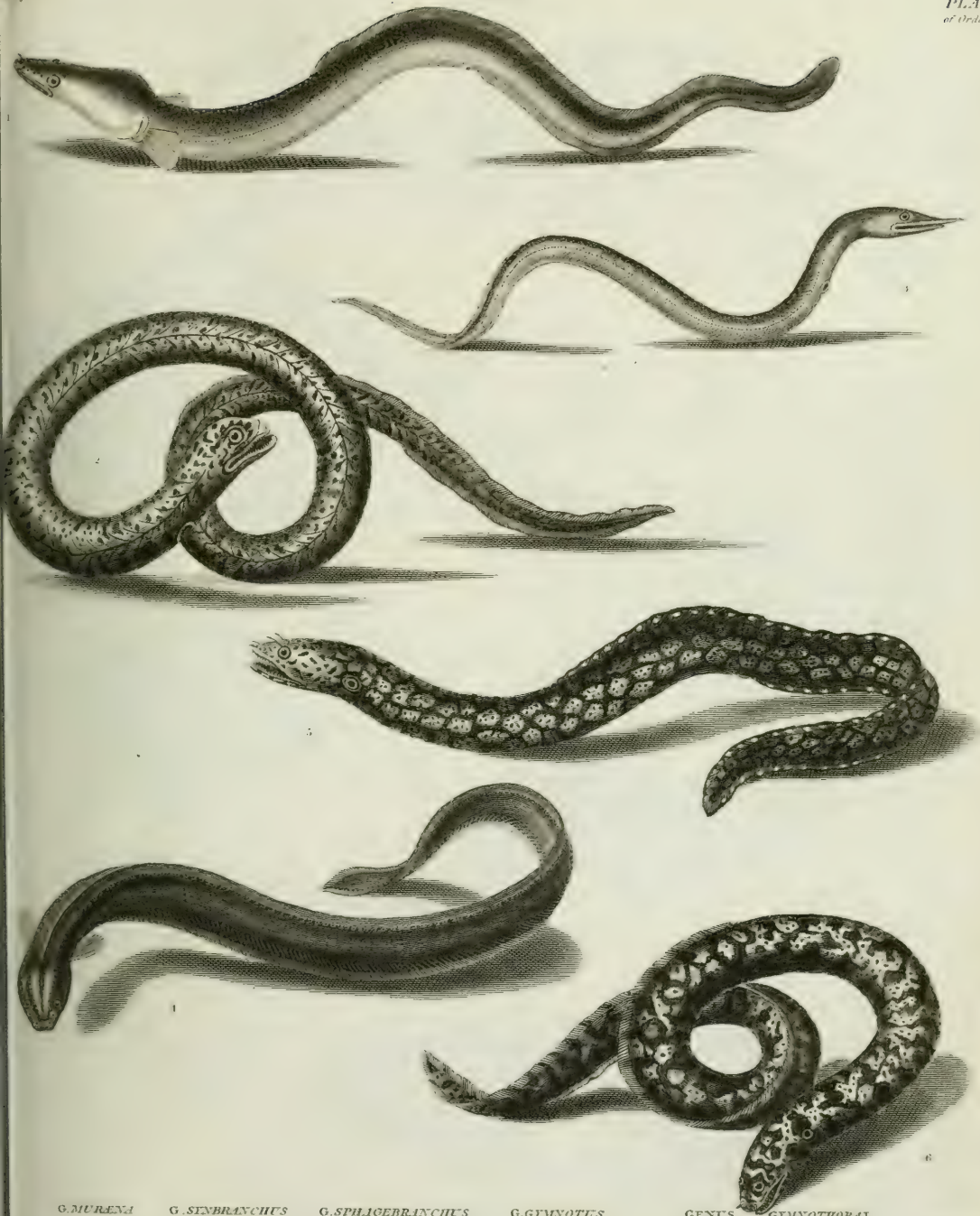


1. H. *Colubrinus* COLUBRINE H.
2. H. *bicolor* BLACK BACKED H.
3. L. *nasuta* SNOWTED L.
4. V. *dal*...

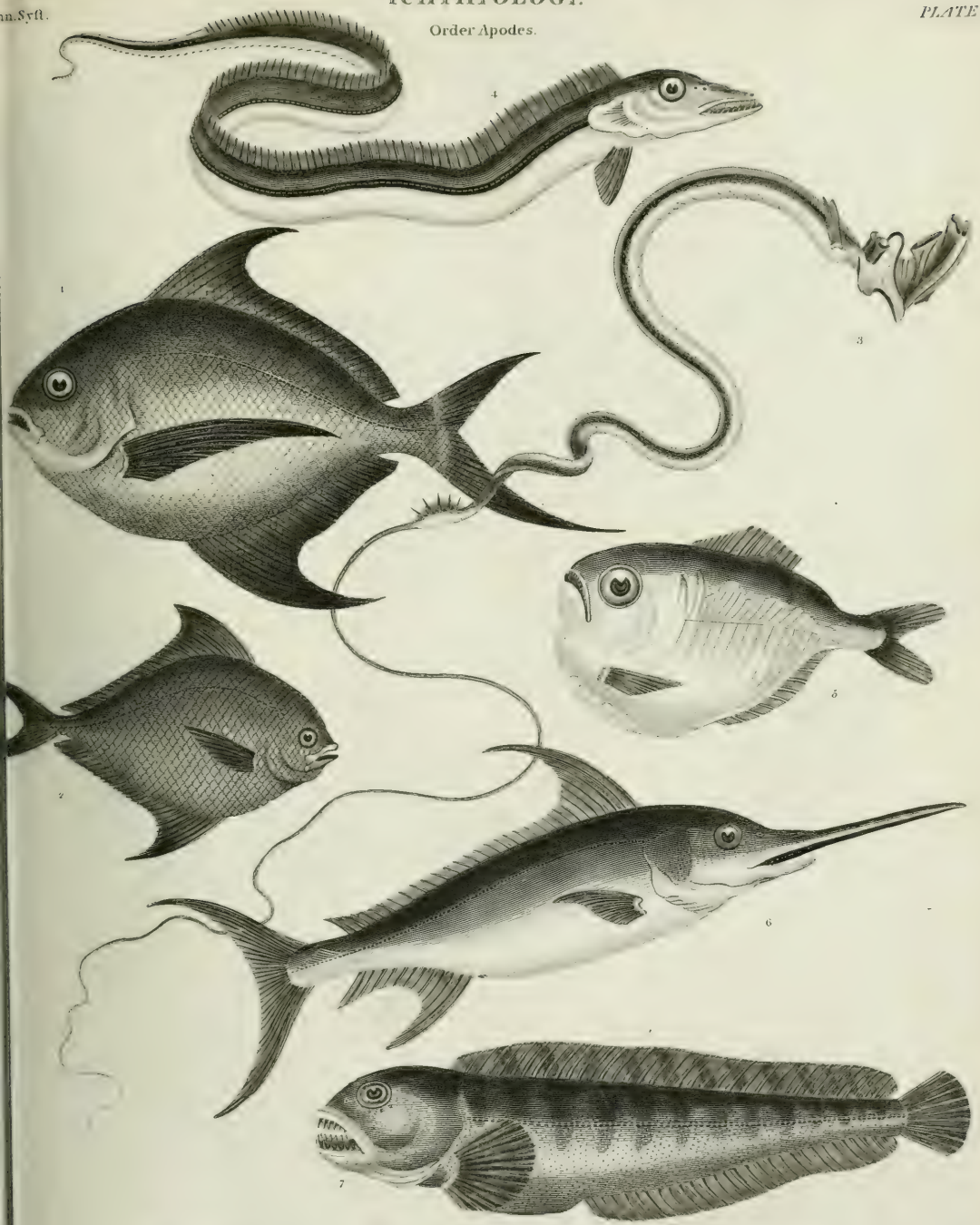


G. MURAENA	G. SYNBRANCHUS	G. SPHAGEBRANCHUS	G. GYMNOTUS	GENUS	GYMNOTHORAX
1. M. *Anguilla*	2. Syn. *Marmoratus*	3. Spha. *Rostratus*	4. Gym.s *Electricus*	5. Gymn.s *Muraena*	6. Gymn.s *Catenatus*
EEL MURAENA	*MARBLED SYNBRANCHUS*	*SNOUTED SPHAGEBRANCHUS*	*ELECTRIC GYMNOTUS*	*EEL GYMNOTHORAX*	*CHAIN GYMNOTHO.s*

Milton sculp

Published as the Act directs Sep.t 1.st 1812 by Longman Hurst Rees Orme & Brown Paternoster Ro.

Order Apodes.



GENUS *STROMATEUS*	G. *STYLEPHORUS*	G. *TRICHIURUS*	G. *STERNOPTYX*	G. *XIPHIAS*	G. *ANARHICAS*
1. Str. *cinereus*	3. Sty. *chordatus*	4. T. *argenteus*	5. Ste. *diaphana*	6. *X. gladius* (Sword Fish)	7. A. *lupus* (Wolf Fish)
2. — *niger*					

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PLATE I of
Order Jug

GEN. TRICHINUS (Weever) — G. URANOSCOPUS (Star gazer) — G. CALLIONYMUS (Dragonet)

1. T. major — 2. T. draco — 3. U. scuber — 4. C. dracunculus — 5. C. lyra

SMALL W. — ROUGHS. — SMOOTH D. — GURNOUS D.

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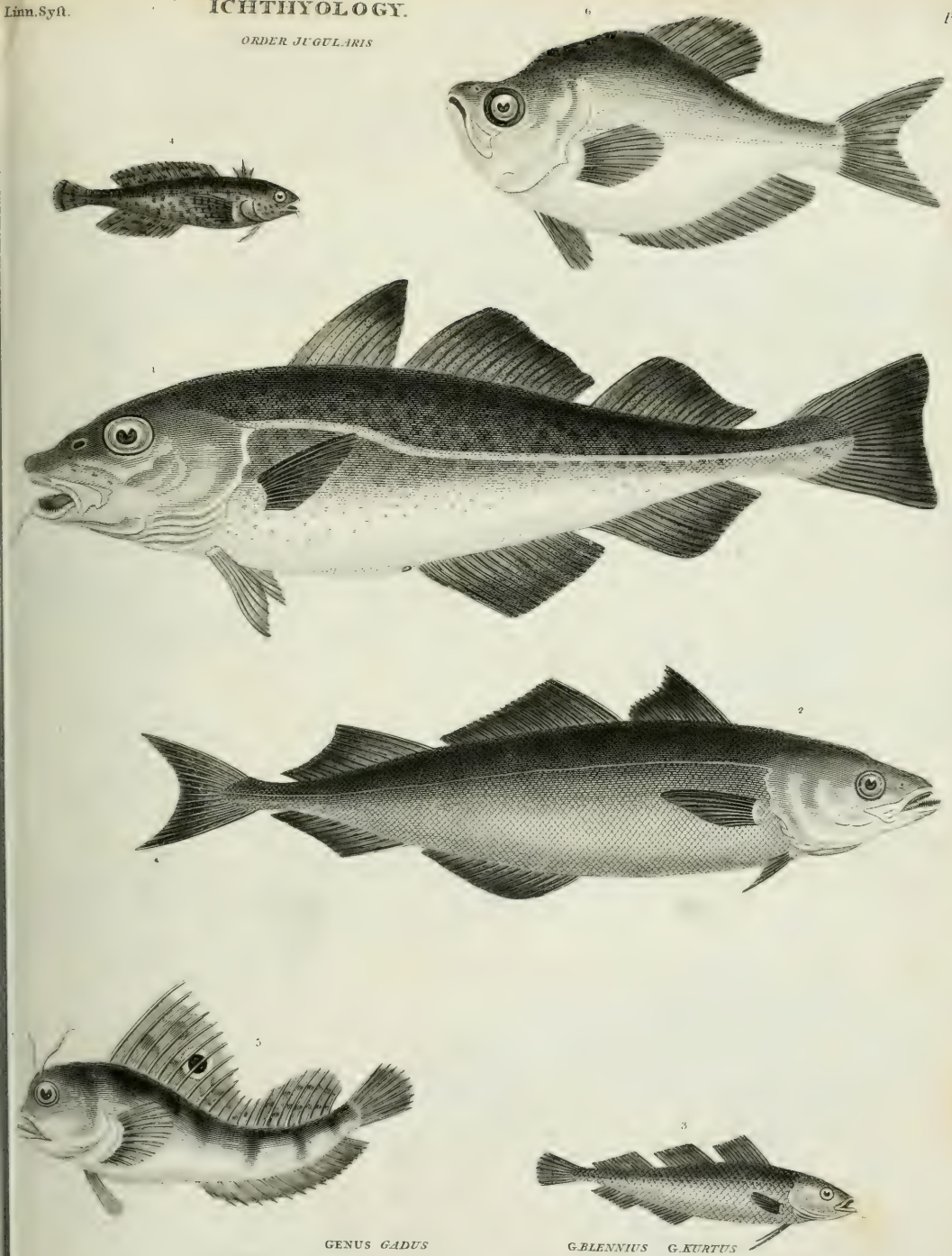
ORDER JUGULARIS



GENUS *GADUS* *G. BLENNIUS* *G. KURTUS*

1. *G. morhua* (Cod) — 2. *G. carbonarius* (Coal Fish) — 3. *G. minutus* (Poor) — 4. *G. tau* — 5. *B. maris* — 6. *K. indicus*

Milton sculp.

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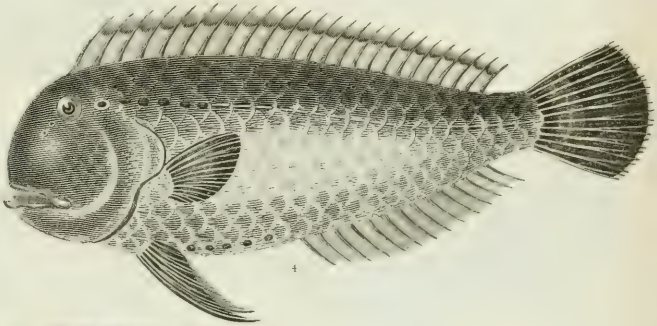
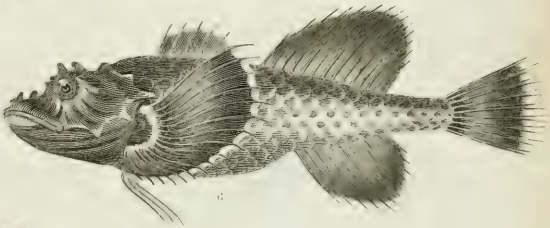
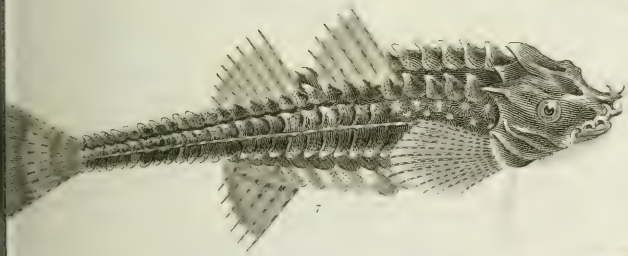
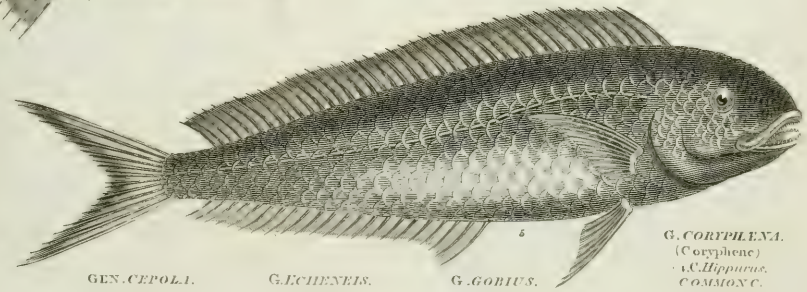
ORDER THORACICI.









G. COTTUS.
(Bull Head)
1 C. Gruniens
GRUNTING BULL HEAD.
7 C. Cataphractus
MAILED B.H.

GEN. CEPOLA.
(Ribband Fish)
1 C. Tænia.

G. ECHENEIS.
(Sucking Fish)
2 E. Remora.
MEDITERRANEAN SP.

G. GOBIUS.
(Goby)
3 G. Minutus.
SPOTTED G.

G. CORYPHENA.
(Coryphene)
1 C. Hippurus.
COMMON C.
5 C. Pentadactyla.
FIVE SPOT C.

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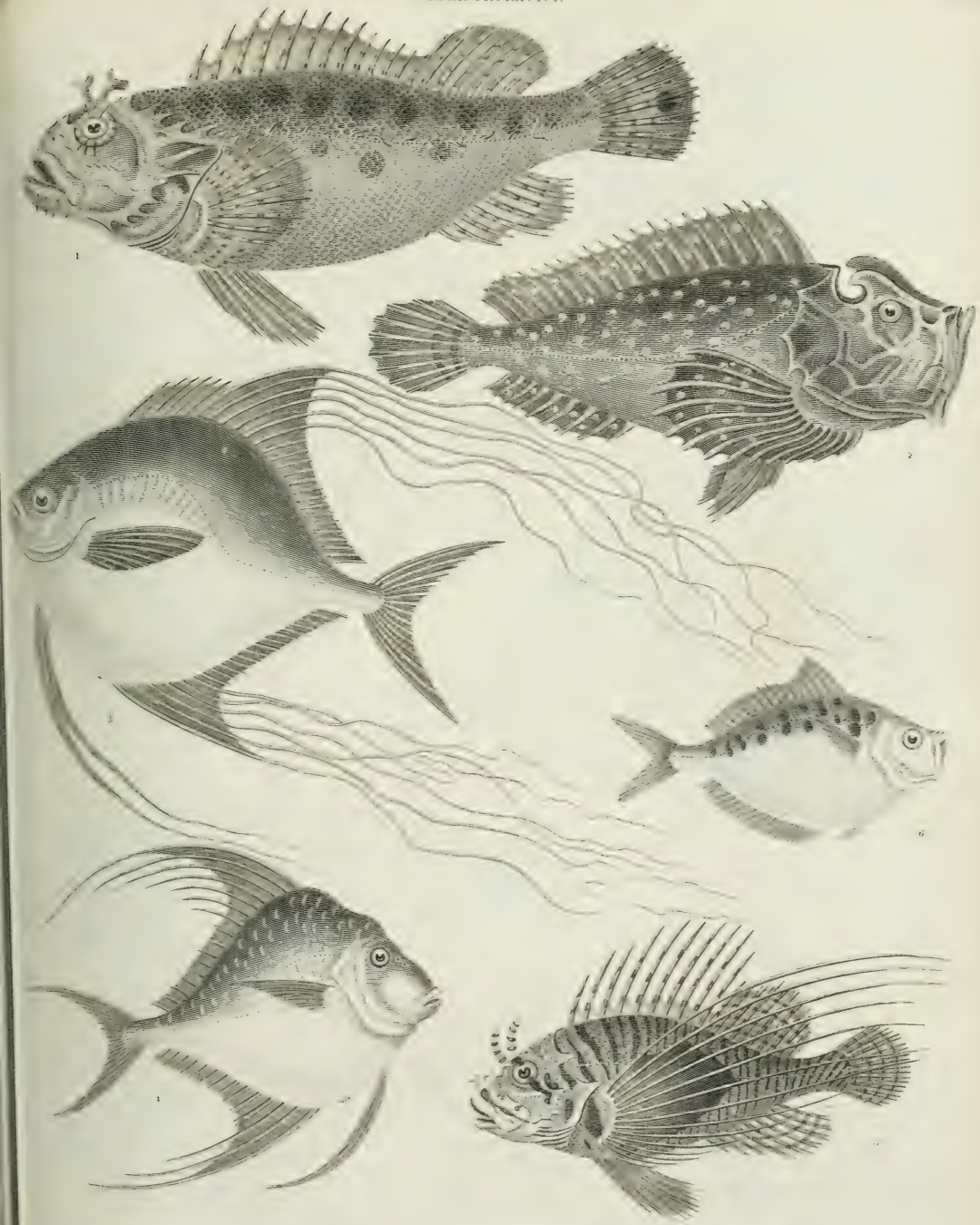

G. SCORPÆNA — GENUS ZEUS

1. S. Scrofa — 2. S. Horrida — 3. S. Antennata — 4. Z. Gallus — 5. Z. Ciliaris — 6. Z. insidiator

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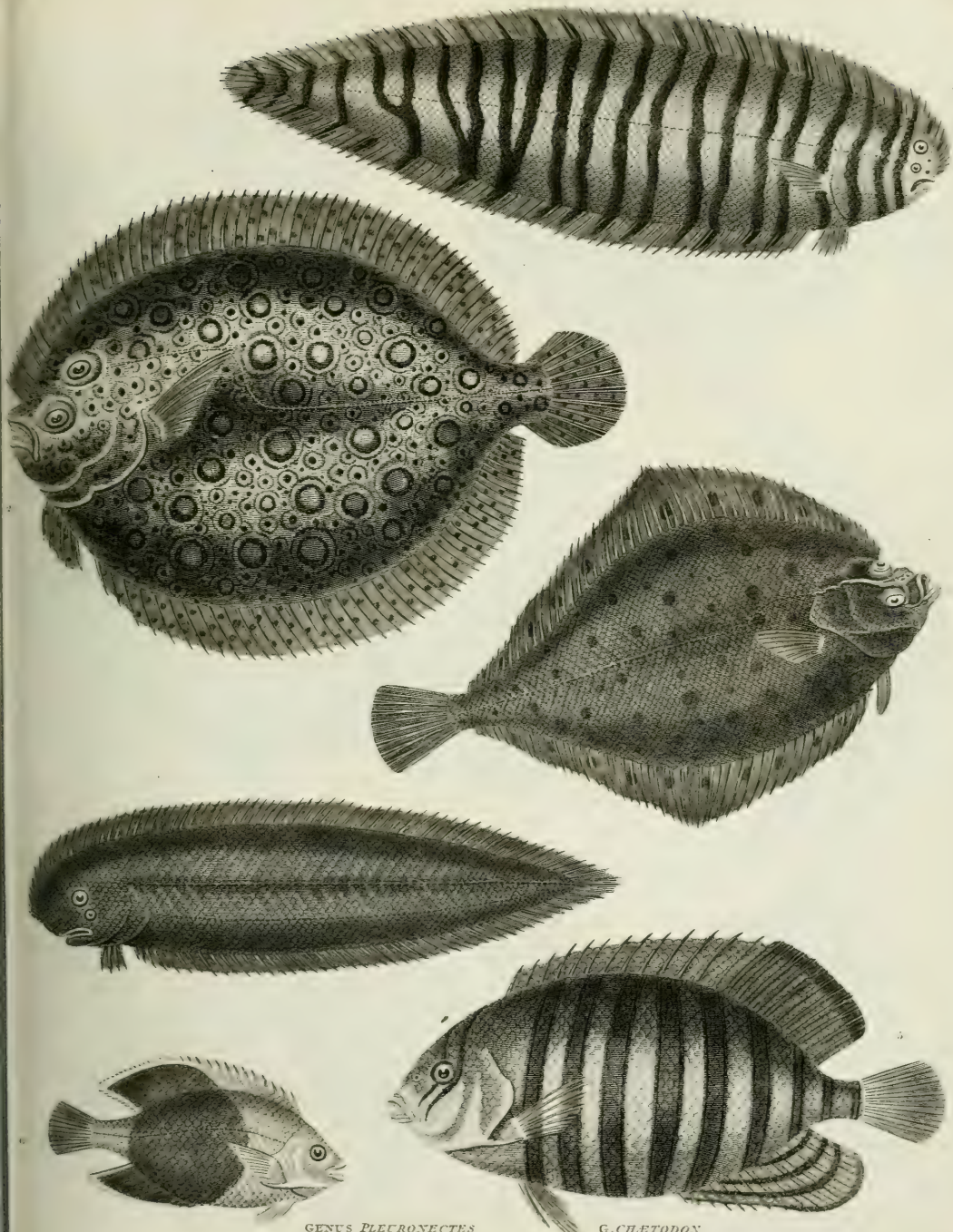

GENUS *PLEURONECTES* Flounder. G. *CHÆTODON*

1. P. *Zebra* — 2. P. *Argus* — 3. P. *Platessa* — 4. P. *Bilineatus* — 5. C. *Bicolor* — 6. C. *Fasciatus*

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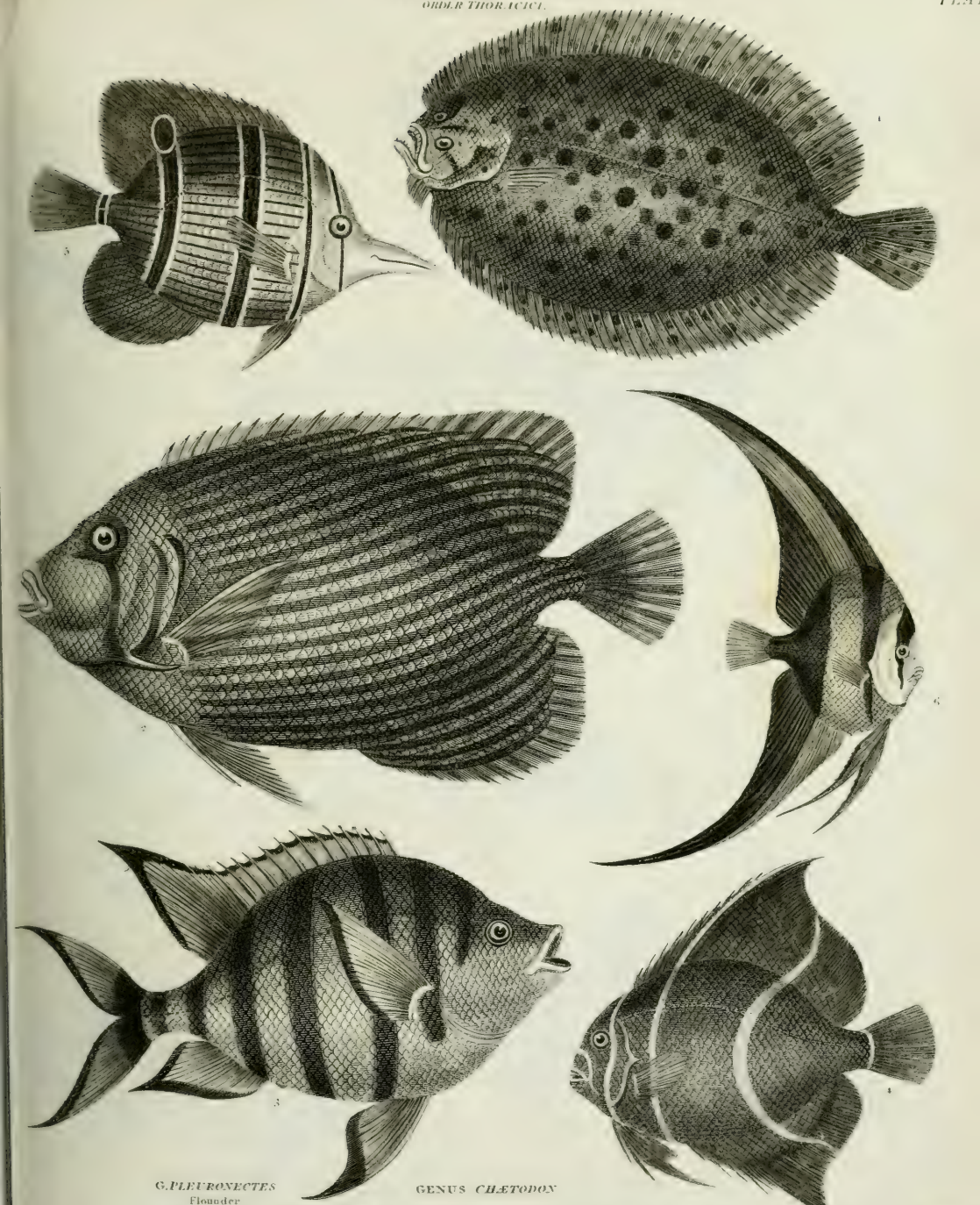

G. *PLEURONECTES*
Flounder
1 *P. punctatus*

GENUS *CHÆTODON*
2 *C. imperator* 3 *C. marginatus* 4 *C. arcuatus* 5 *C. rostratus* 6 *C. Tèira*

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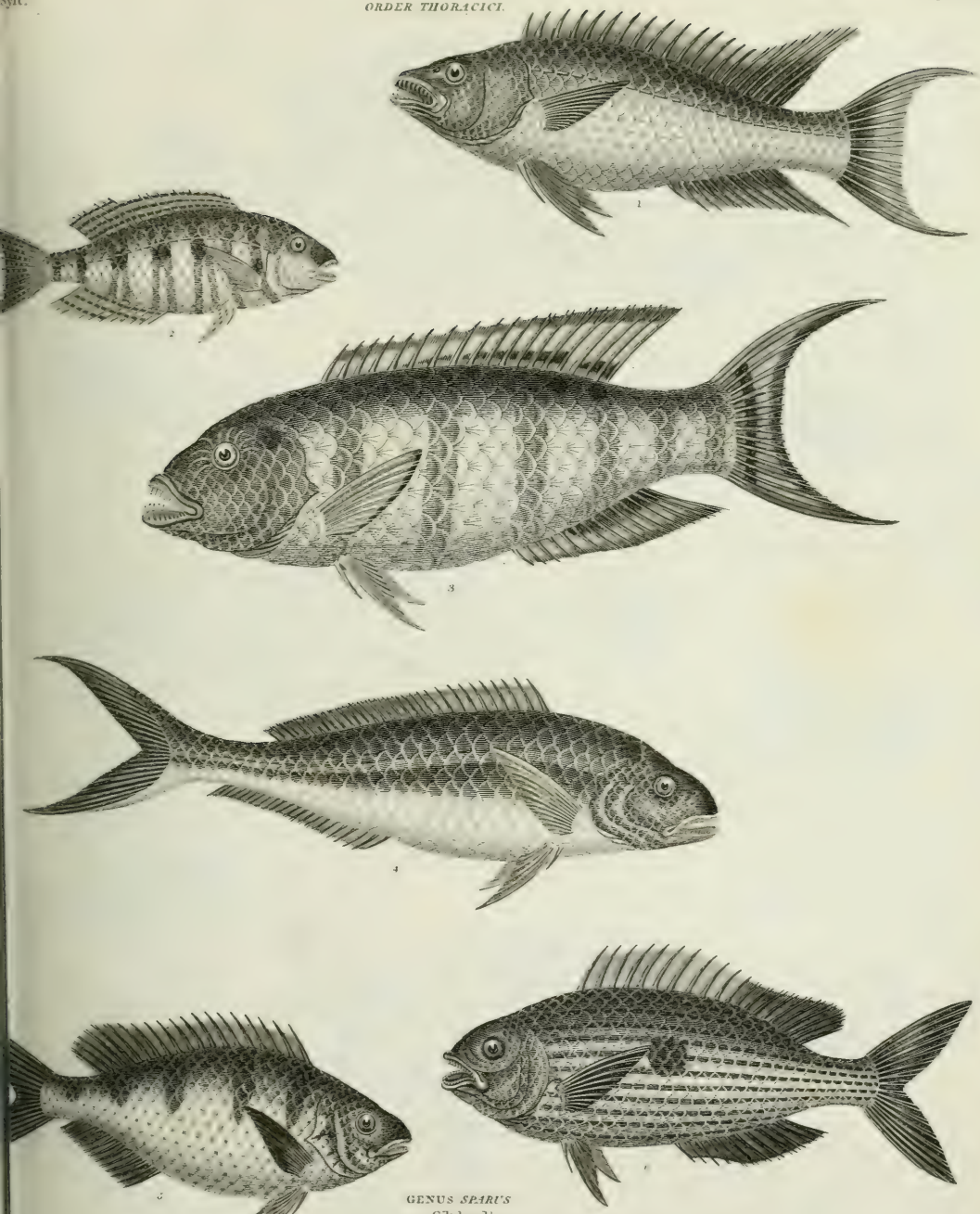

GENUS *SPARUS*

Gilt-head]

1. *S. falcatus* 2. *S. Surinamensis* 3. *S. fasciatus* 4. *S. Chrysurus* 5. *S. annularis* 6. *S. mena*

FALCATED G. SURINAM G. BANDED G. GOLDEN-TAIL G. ANNULATED G. CACKEREL G.

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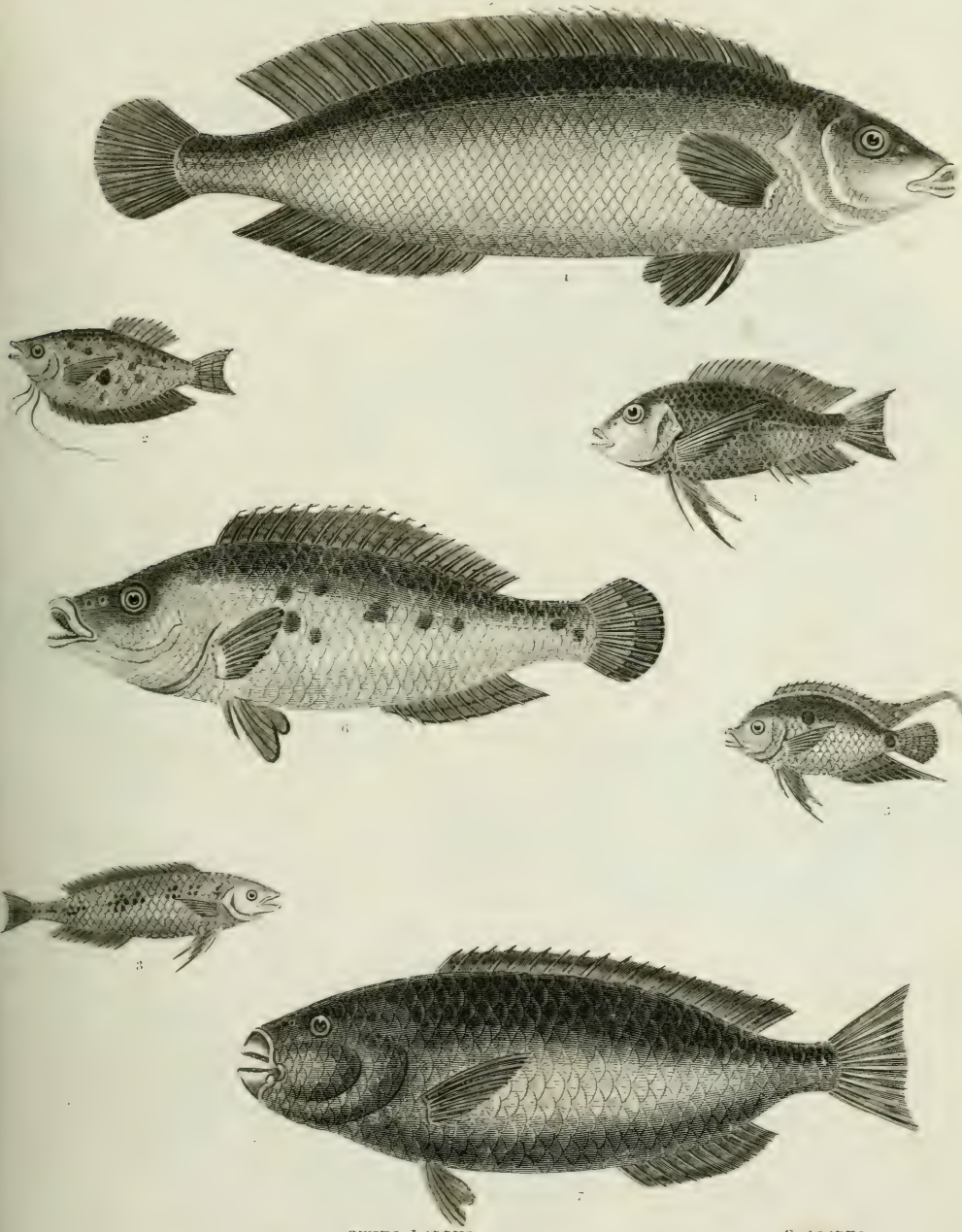

GENUS *LABRUS* — *G. SCARUS*

1 *L. microlepidotus* — 2 *L. trichopterus* — 3 *L. malopterus* — 4 *L. maculatus* — 5 *L. punctatus* — 6 *L. melagaster* — 7 *S. viridis*

Published as the Act directs Oct 1st 1811 by Longman Hurst Rees Orme & Brown, Paternoster Row

GENUS SCIÆNA

1.S.ª cretensis — 2.S.ª diacantha — 3.S.ª cirrosa — 4.S.ª punctata — 5.S.ª plumieri.

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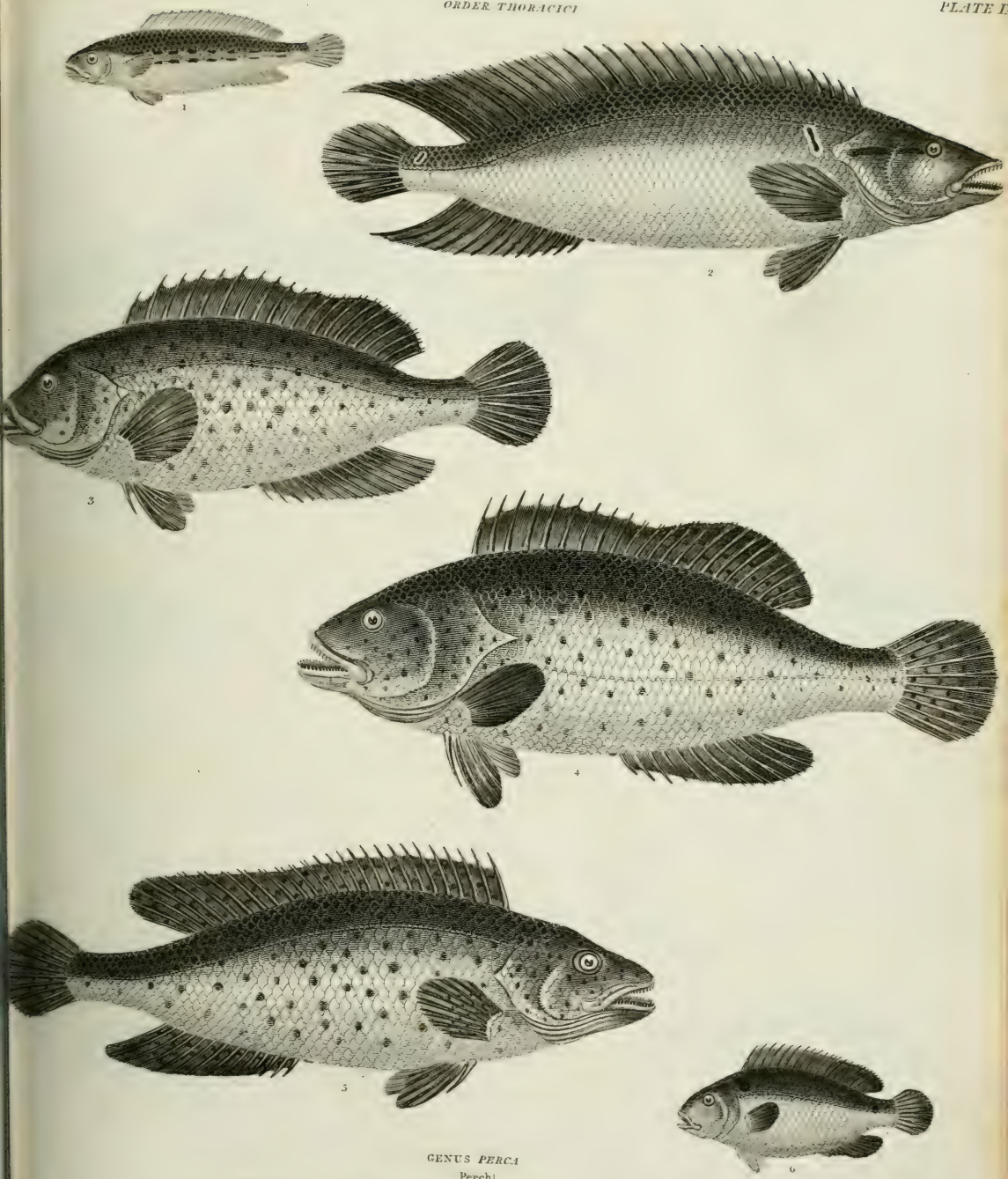

GENUS *PERCA*

Perch

1. P. *Brasiliensis* — 2. P. *saxatilis* — 3. P. *punctata* — 4. P. *guttata* — 5. P. *maculata* — 6. P. *bimaculata*.

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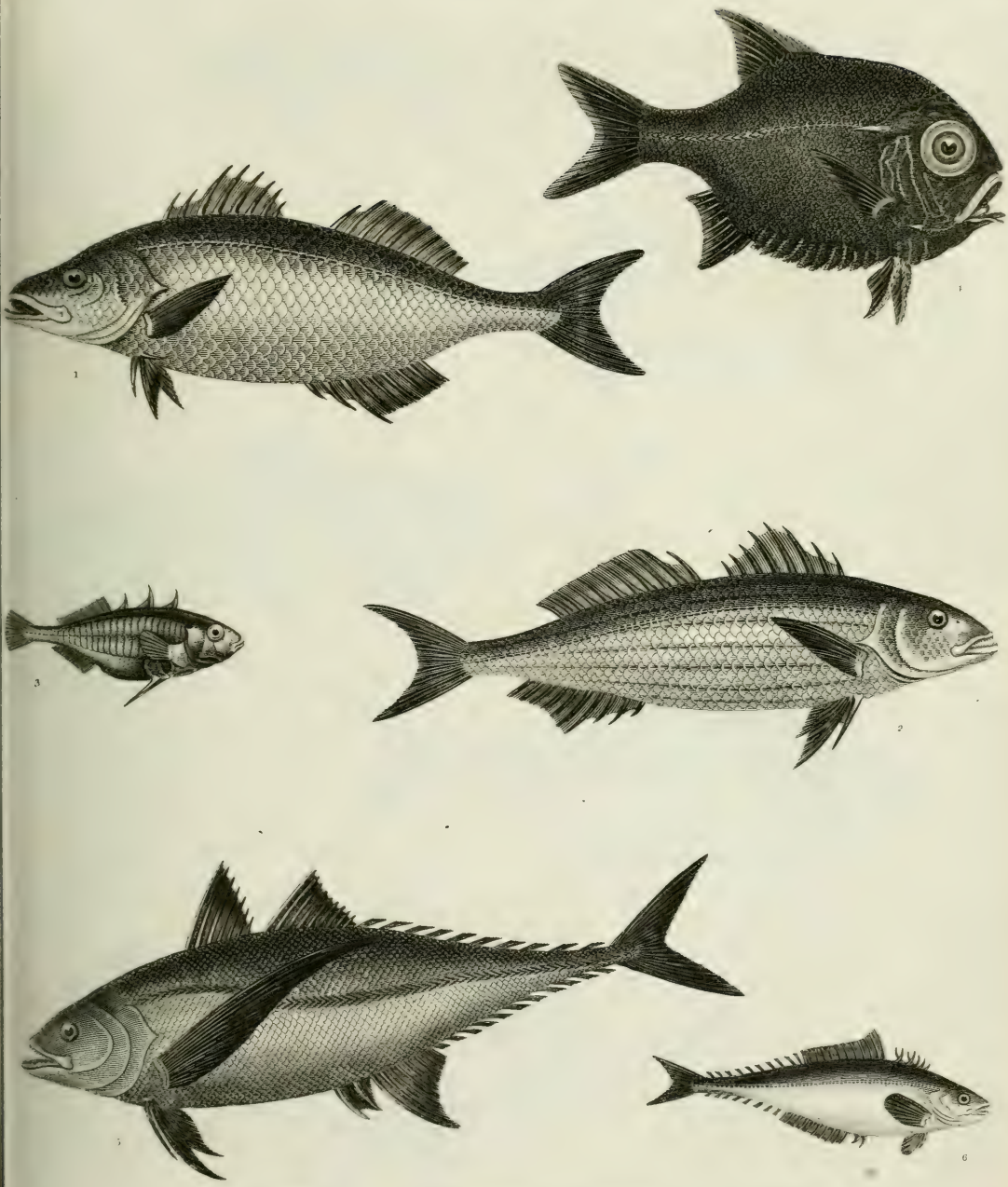

GENUS *SCIAENA* — G. *GASTEROSTEUS* (Stickleback) — G. *TRACHYCHTHYS* — G. *SCOMBER* (Mackerel)

1. *Sc. Undecimalis* — 2. *Sc. Lineata* — 3 G. *Aculeatus* — 4 T. *Australis* — 5. S. *Rotleri* — 6. S. *Aculeatus*

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GENUS SCOMBER Mackerel — G. LONCHIURUS

1. S. Sarda 2. S. Niger 3. S. Saltans 4. S. Ruber 5. L. Barbatus

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GENUS *MULLUS*
(Mullet)

GENUS *TRIGLA*
(Gurnard)

1. M. *Surmuletus* — 2. T. *Carolina* — 3. T. *Hirundo* — 4. T. *Punctata* — 5. T. *Cataphractus*.

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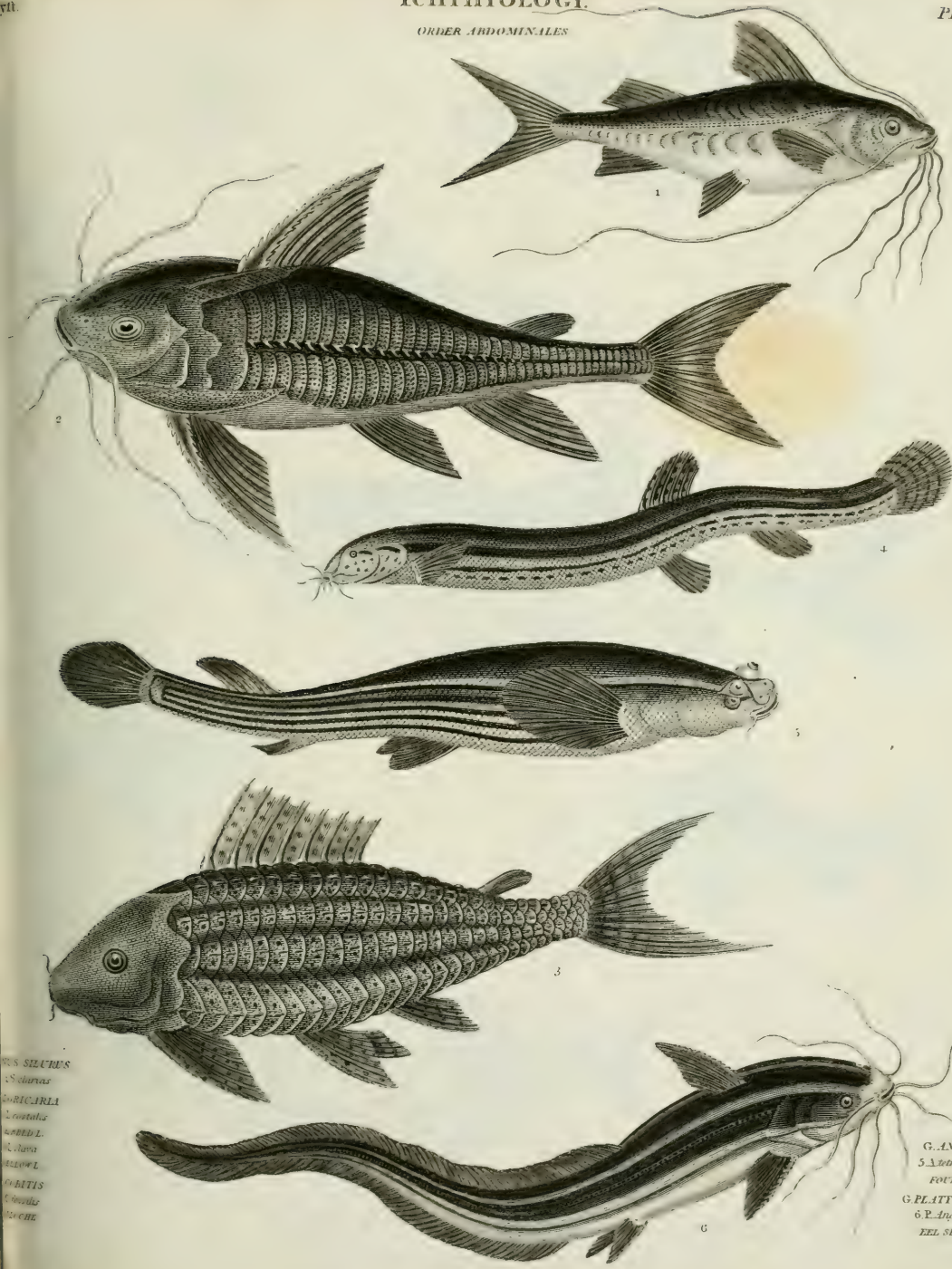
ORDER ABDOMINALES



G. ANABLEPS
5 Tetrophthalmus
FOUR EYED
G. PLATYSTACHUS
6 P. Anguilaris
EEL SHAPED

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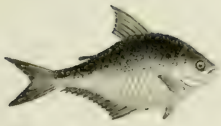
Milton sculp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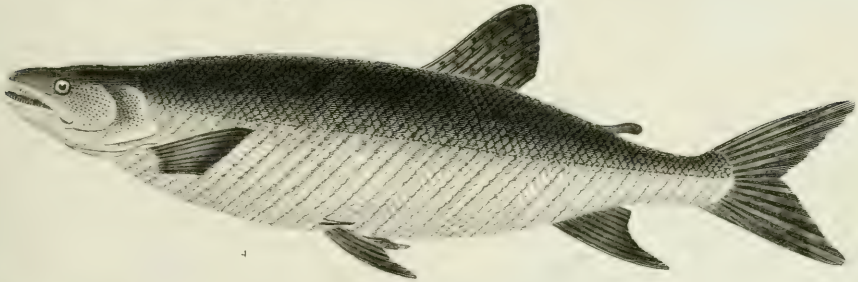
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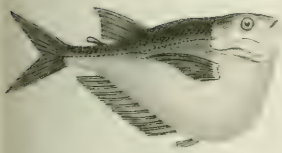
5

6

7

GENUS *SALMO*

Salmon

1 *S. Bimaculatus* – 2 *S. Fasciatus* – 3 *S. Tumbil* – 4 *S. Odoe* – 5 *S. Gasteropelecus* – 6 *S. Fritterici* – 7 *S. Rhombeus*

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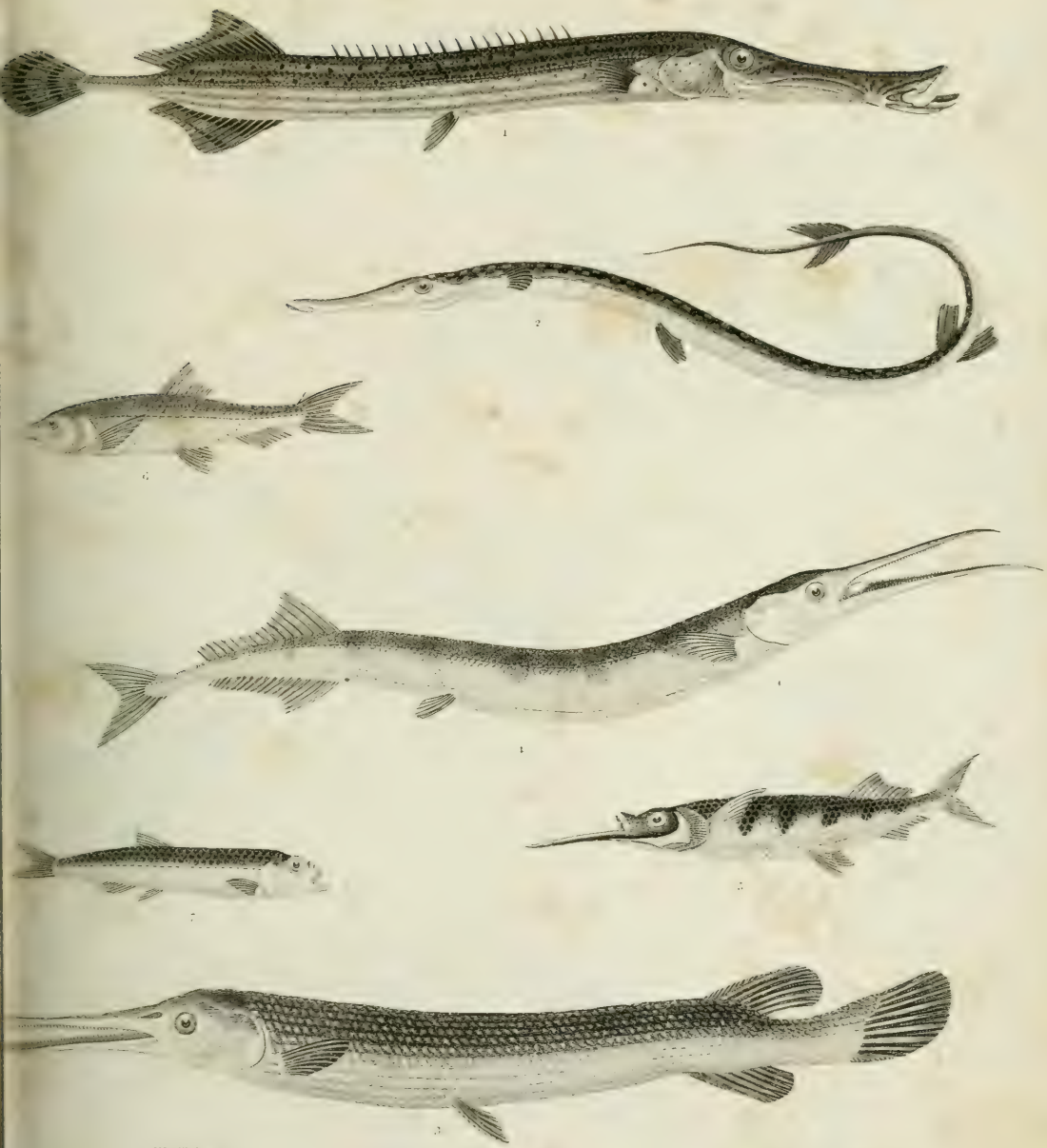

FISTULARIA
(tobacco Pipe Fish)

1. *F. Chinensis* — CHINESE TOBACCO P.F.

2. *F. Tabacaria* — SPOTTED TOBACCO P.F.

GEN. *ESOX*
(Sea Pike or Gar-Fish)

3. Es. *Osseus* — 6ft GAR FISH or BONY P.

4. Es. *Belone* — SEA PIKE or GAR F.

5. Es. *Brasilienesis* — BRASILIAN P.

ELOPS

6. El. *Saurus*

ARGENTINA
(Argentine)

7. *A. Sphyraena* — EUROPEAN A.

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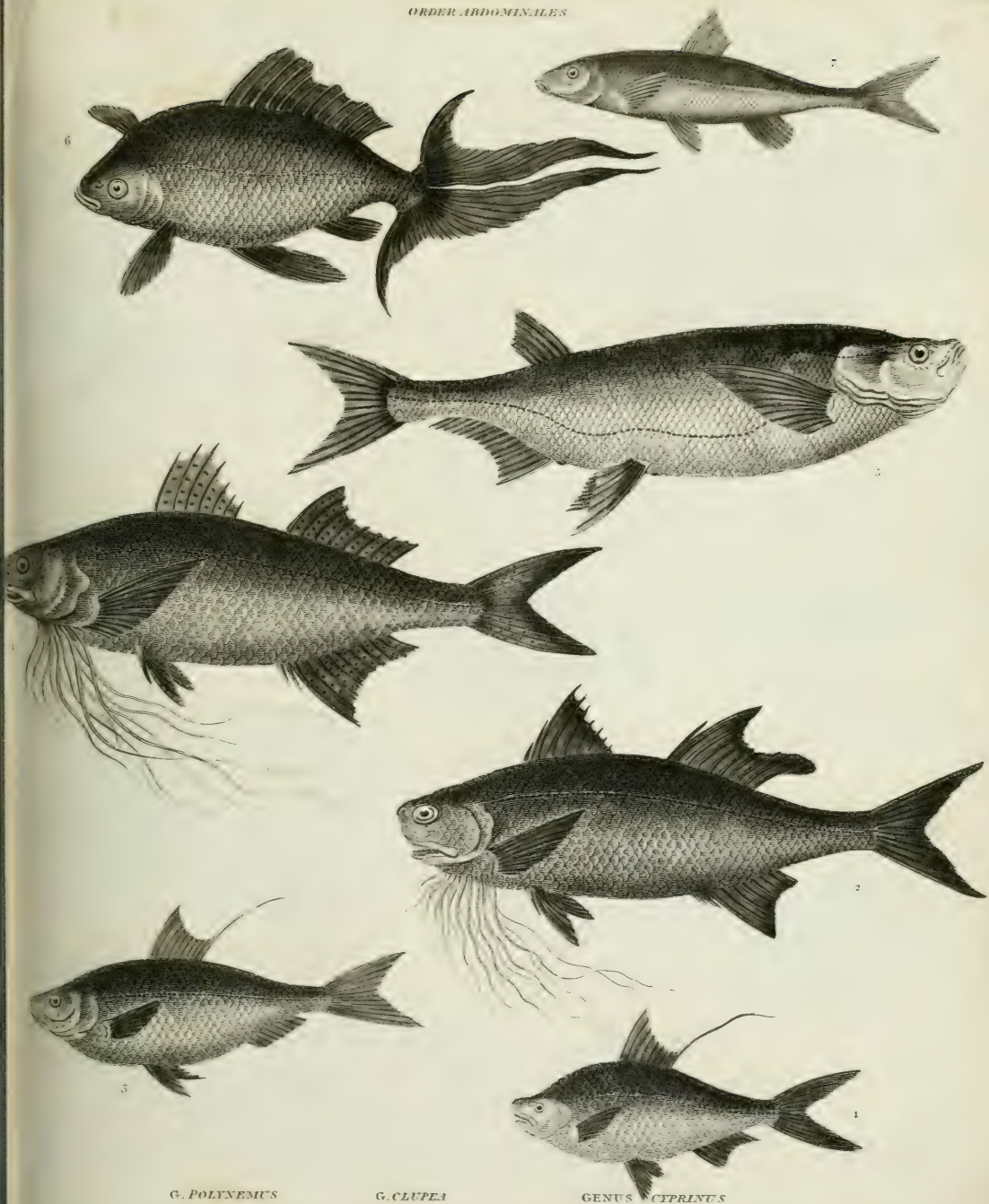
G. ATHERINE (Atherine)
1. A. Hepsetus
COMMON ATHERINE

G. MUGIL (Mullet)
2. M. Tang
TANG M.
3. M. Cephalus
GREY M.

GENUS EXOCŒTUS (Flying Fish)
4. E. evolans
MEDITERRANEAN F.F.
5. E. exilicus
SWALLOW F.F.
6. E. Mesogaster
ATLANTIC F.F.

Published as the Act directs Feb.y 1st 1809, by Longman Hurst, Rees & Orme Paternoster Row.

ORDER ABDOMINALES



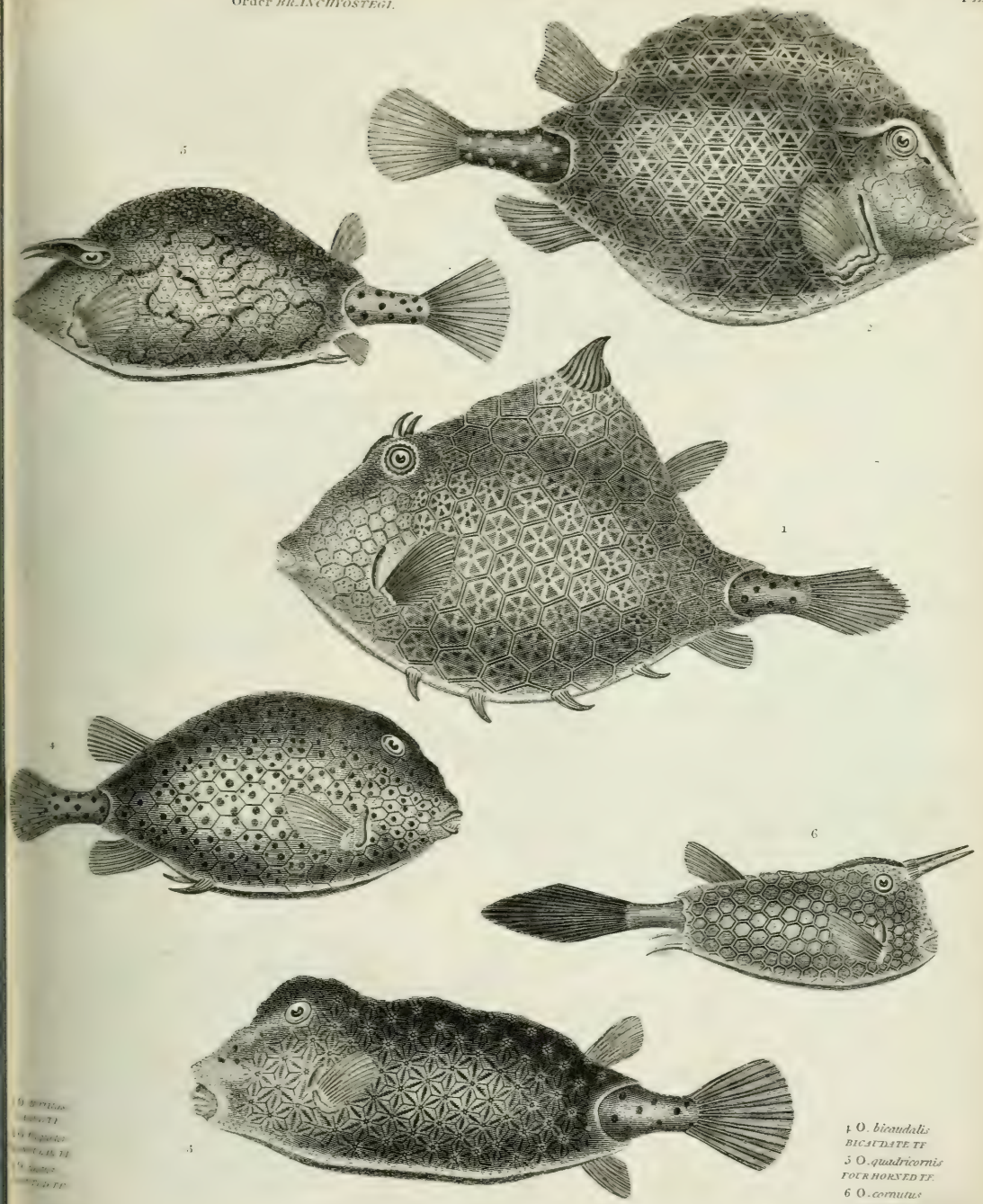
G. POLYNEMUS — G. CLUPEA — GENUS CYPRINUS

Polyneme — Herring

1. P. *Paradiseus* — PARADISE P.
2. P. *Decadactylus* — TEN FINGERED P.
3. C. *Trissa* — FLORISSAH.
4. C. *Nasus* — NASALH.
5. C. *Cultratus* — RAZOR C.
6. C. *Auratus* — GOLDEN C. var.
7. C. *Phoxinus* — MINOW

Milton sculp.

Published as the Act directs Aug.st 1.1812 by Longman Hurst Rees Orme & Brown Paternoster Row

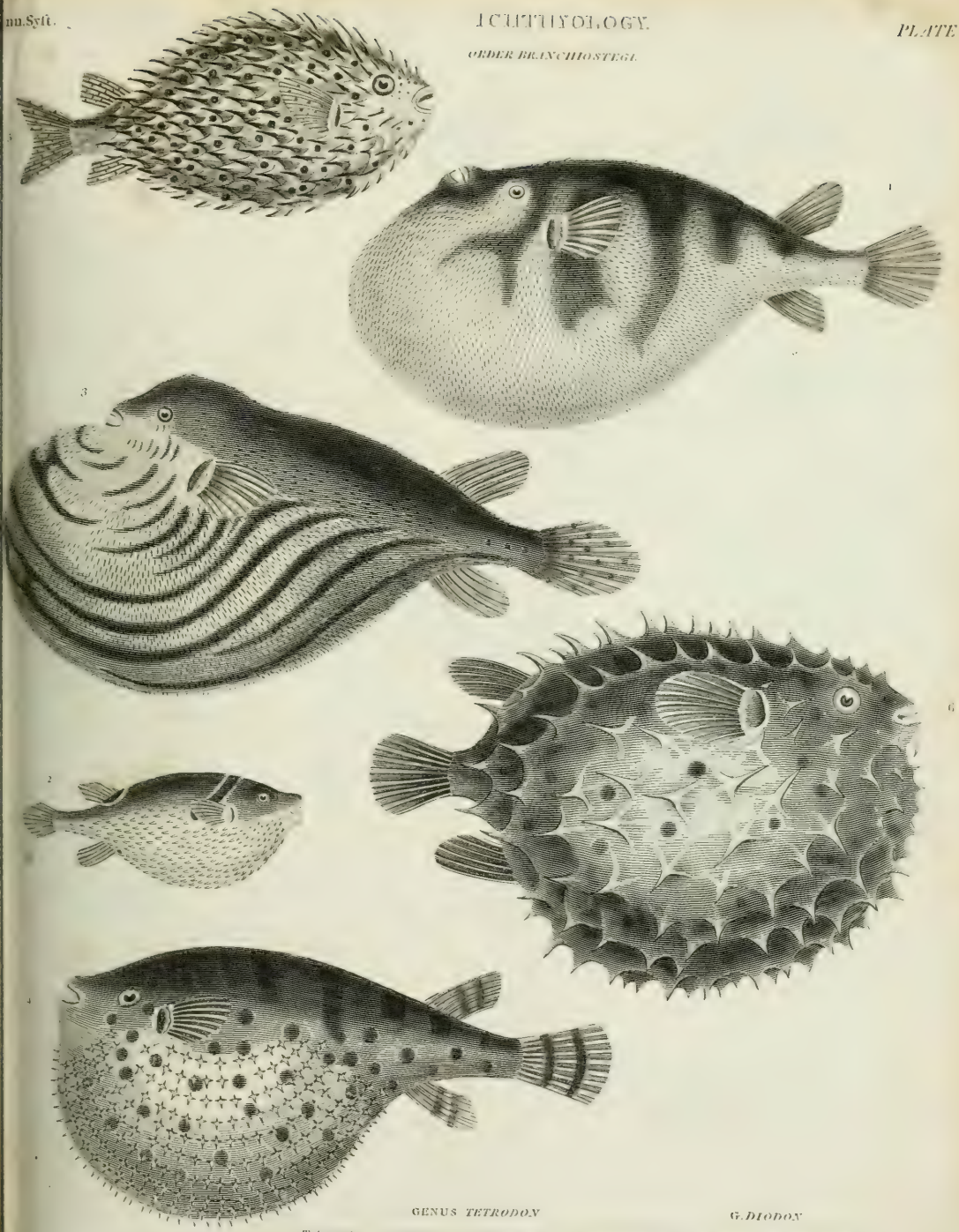


4 O. *bicaudalis*
BICAUDATE TF.
5 O. *quadricornis*
FOUR HORNED TF.
6 O. *cornutus*
HORNED TF.

Published as the Act directs May 1. 1814. by Longman, Hurst Rees Orme & Brown Paternoster Row

Milton sculp.

ORDER BRANCHIOSTEGI.



GENUS TETRODON G. DIODON

1 T. hispidus HISPID T. | 2 T. ocellatus OCELLATED T. | 3 T. lineatus LINEATED T. | 4 T. lagocephalus HARE T. | 5 D. hystrix PORCUPINE D. | 6 D. orbicularis ROUND D.

Published as the Act directs June 1, 1807 by Longman Hurst

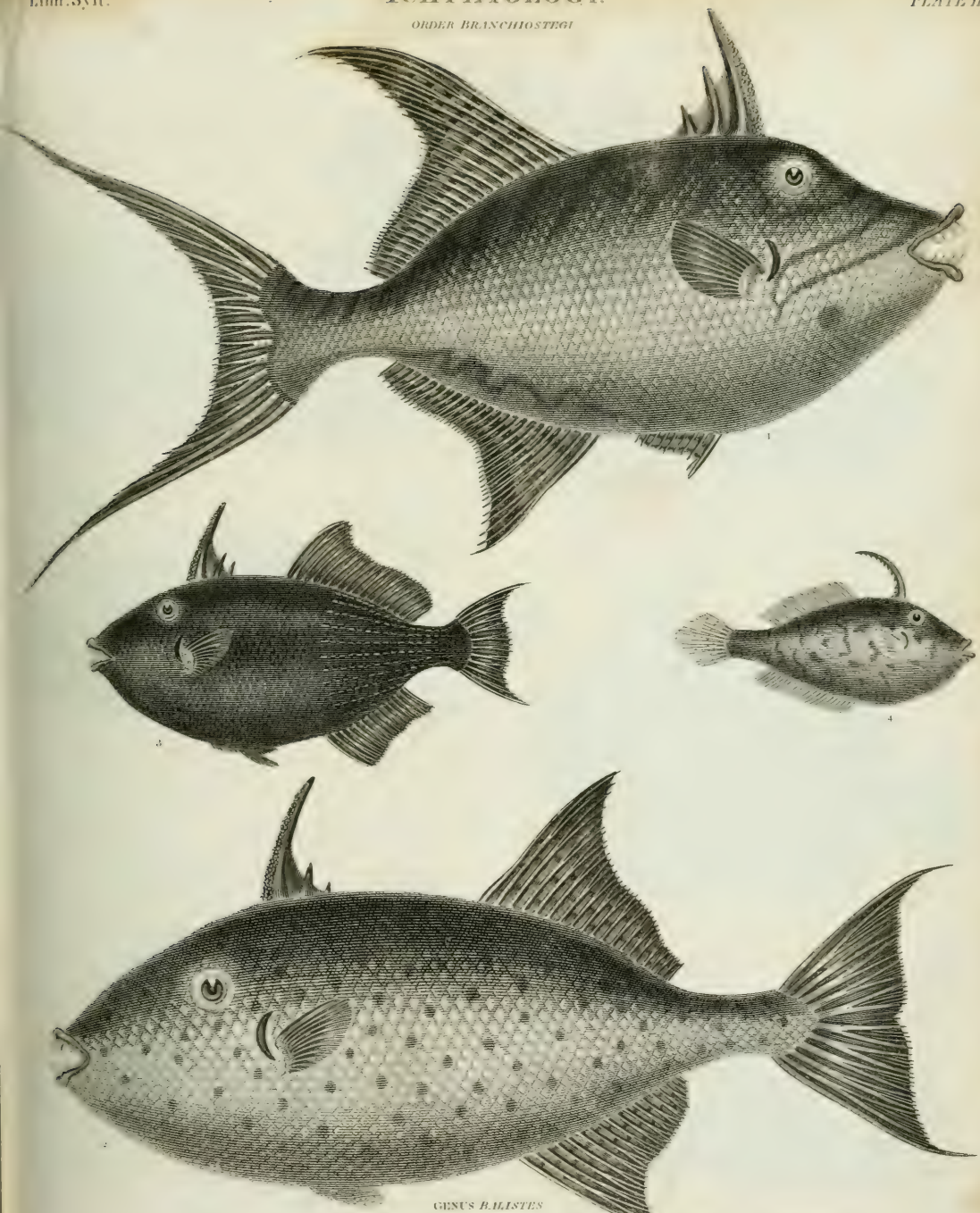
Order Branchiostegi.

GENUS *SYNGNATHUS* *G.PEGASUS* *G.CENTRISCUS*
Pipe-Fish Pegasus Centriscus

1.*S.foliatus* FOLIATED P.F. 2.*S.acus* GREAT P.F. 3.*S.hippocampus* SEA HORSE P.F. 4.*P.draco* DRAGON P. 5.*P.natans* SWIMMING P. 6.*C.scutatus* MAILED C. * magnified †under surface

Published as the Act directs April 1.1813 by Longman Hurst Rees Orme & Brown Paternoster Row

ORDER BRANCHIOSTEGI

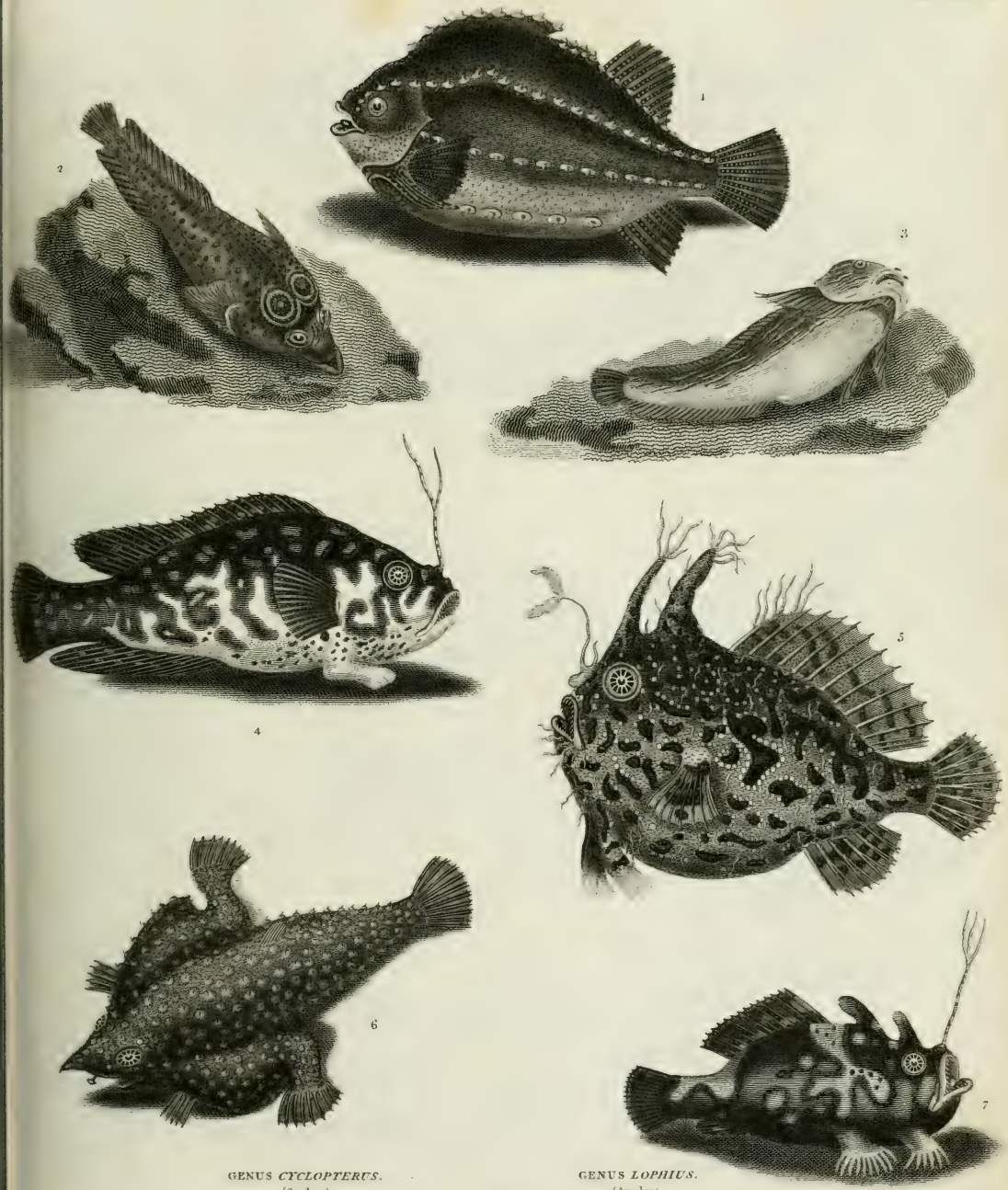


GENUS *BALISTES*

(Old Wife *or* File fish)

1.B. *Vetula* OLD WIFE. 2.B. *Maculatus* SPOTTED OW. 3.B. *Aculeatus* ACULEATED OW. 4.B. *Monoceros* ONE HORNED OW.

Published as the Act directs June 1st 1805, by Longman Hurst Rees & Orme Paternoster Row



GENUS *CYCLOPTERUS*. (Sucker)

1.C.*Lumpus* LUMP S. 2.C.*Ocellatus*. OCELLATED S. 3.C.*Lineatus*. LINEATED S.

GENUS *LOPHIUS*. (Angler)

4.L.*Marmorata*. MARBLED A. 5.L.*Histrio*. HARLEQUIN A. 6.L.*Rostratus*. BEAKED A. 7.L.*Pictus*. PAINTED A.

Published as the Act directs, Oct 1st 1807, by Longman, Hurst, Rees & Orme, Paternoster Row

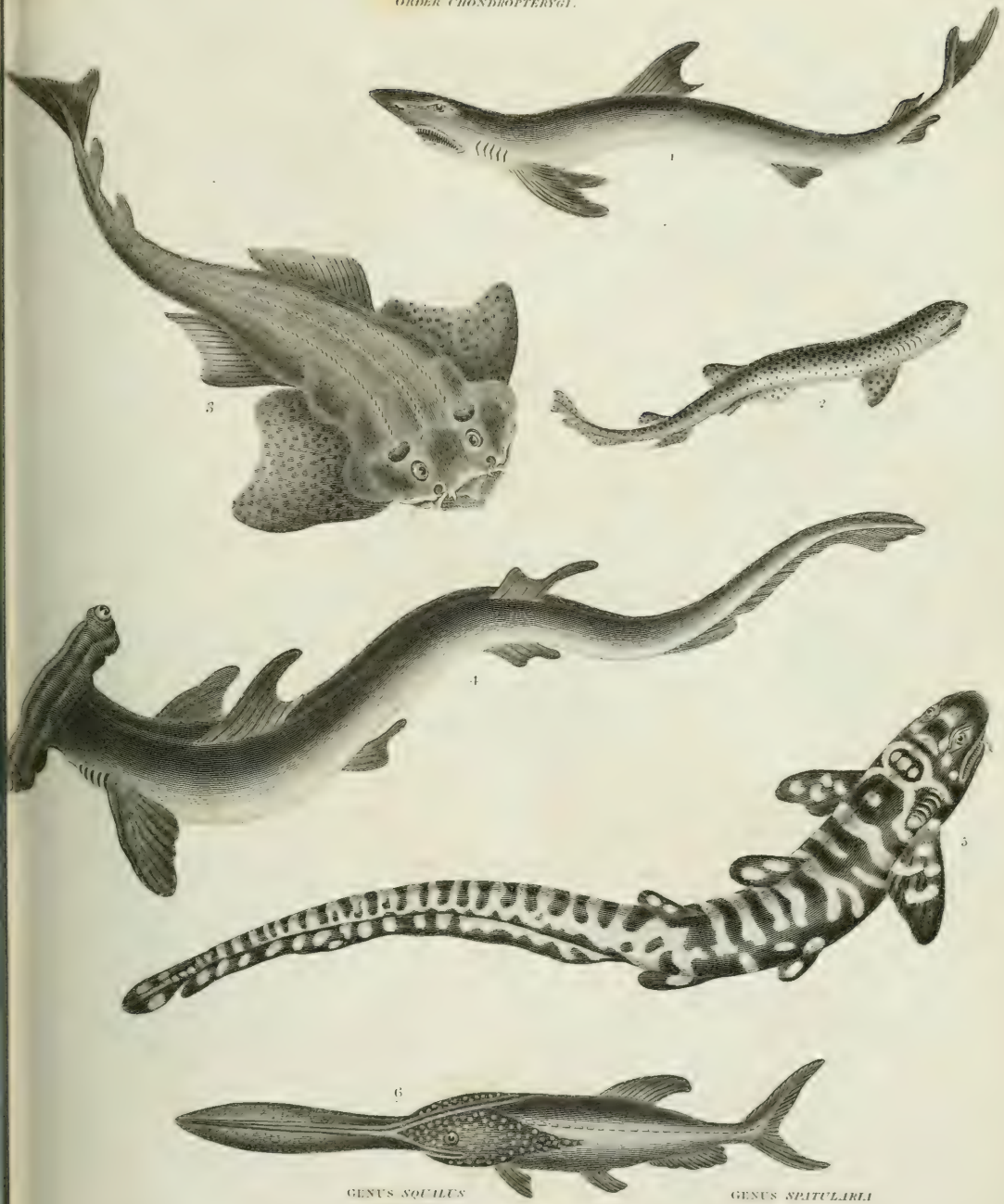
ICHTHYOLOGY.

ORDER CHONDROPHRYGII.

Gen. Acipenser – G. Chimæra – G. Pristis.

1. P. *Antiquorum* — COMMON SAW-FISH
2. C. *monstrosa* — SEA MONSTER
3. A. *Sturio* — STURGEON
4. A. *Ruthenus* — STERLET
5. C. *Callorhynchus* — SOUTHERN C.

Published as the Act directs Sept.1 1809 by Longman Hurst Rees & Orme Paternoster Row.



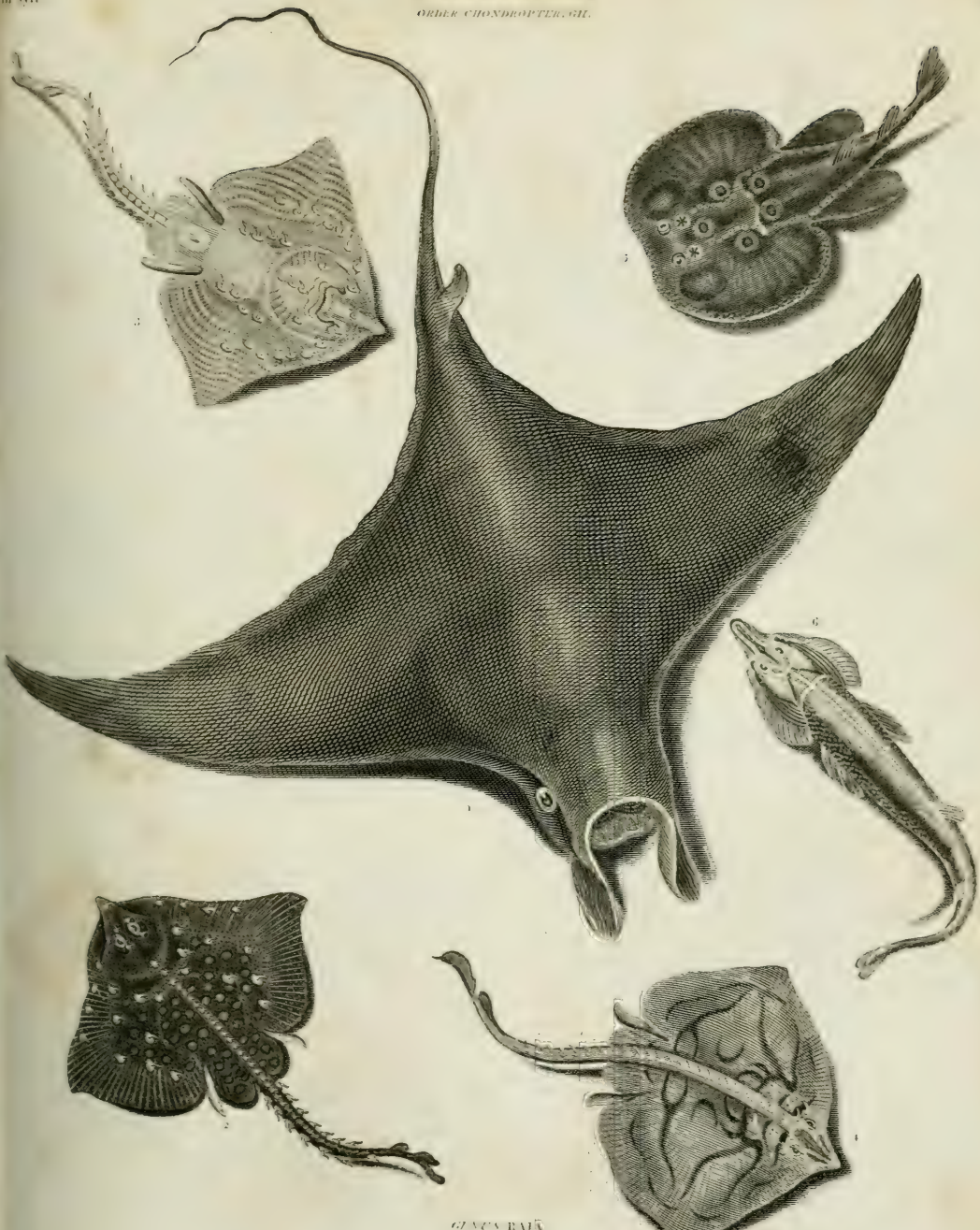
GENUS *SQUALUS* (Shark)

1.*S. Glaucus* BLUE S. | 2.*S. Catulus* LESSER SPOTTED DOG FISH. | 3.*S. Squatina* ANGEL S. | 4.*S. Zygæna* HAMMERHEADED S. | 5.*S. Zebra.* ZEBRA S.

GENUS *SPATULARIA*

6.*Sp. reticulata.* RETICULATED SP.

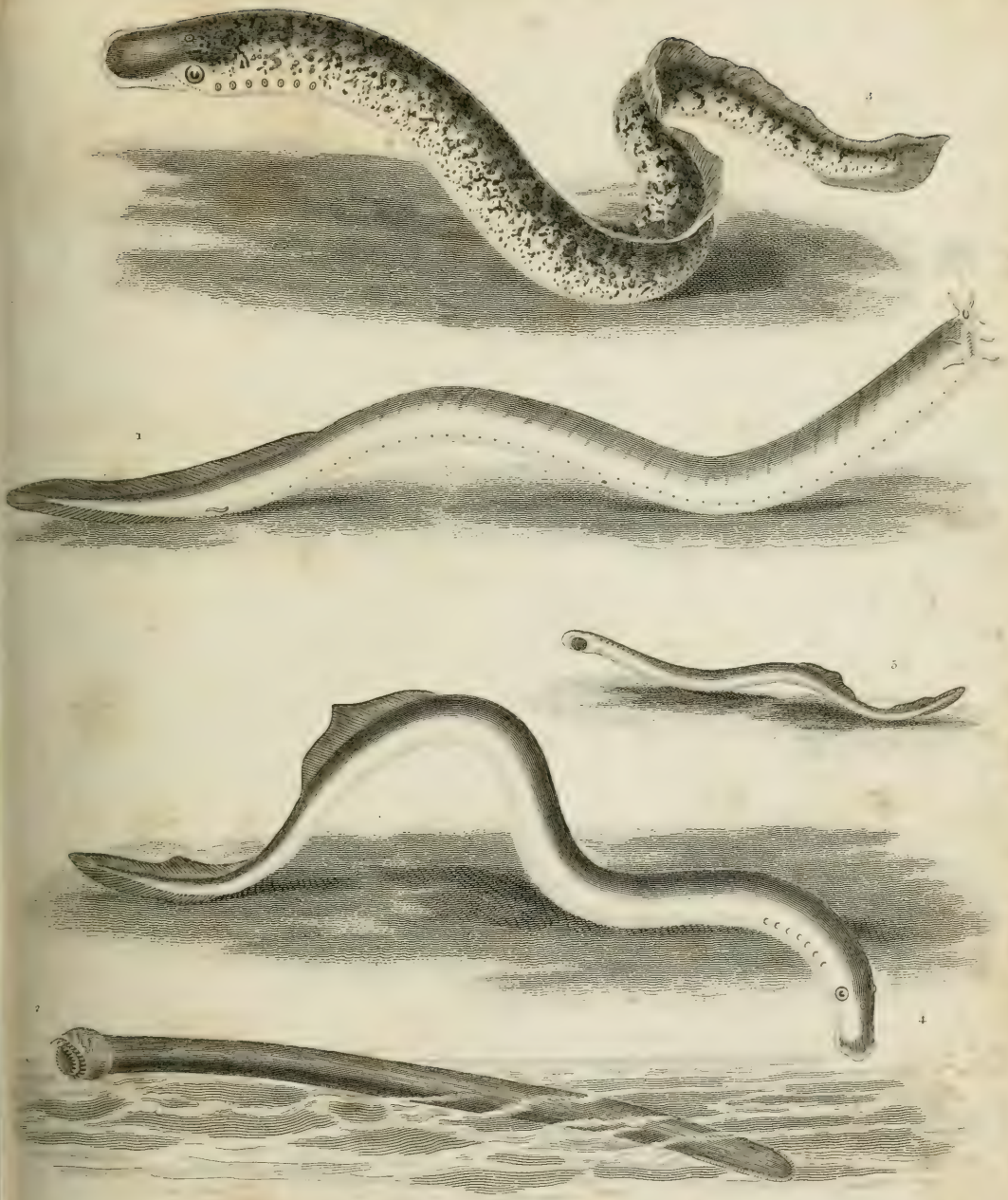
Published as the Act directs Dec.r 1.1808. by Longman, Hurst, Rees & Orme, Paternoster Row.



GIANT RAIA
Ray

1.R. Alabchas. 2.R. Aquila. 3.R. maculata. 4.R. [illegible] 5.R. rhinobatus
DAEMON R. THORNBACK R. [illegible] LONG-NOSED R.

[illegible]



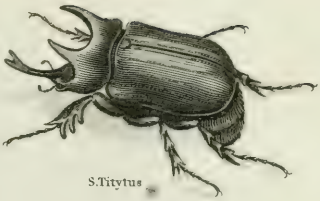
G. *GASTROBRANCHUS* GENUS *PETROMYZON*

1 G. *Coecus* — 2 G. *Dombeyi* — 3 P. *marinus* — 4 P. *fluviatilis* — 5 P. *fluviatilis Jun*r

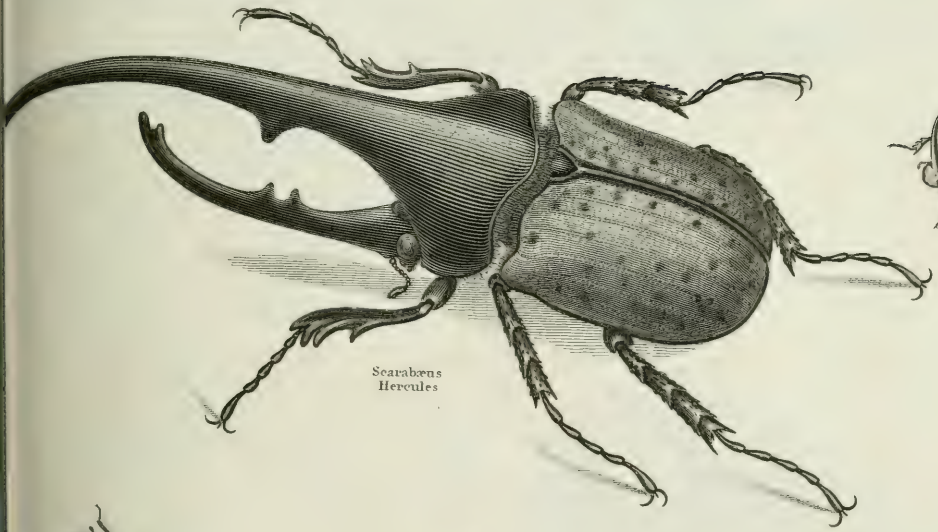
Hag Fish Dombeyan HF. Marine Lamprey River Lamp.y *under surface* *Mitten sculp.*

Published as the Act directs, Nov.1 1807, by Longman Hurst Rees Orme & Brown Paternoster Row

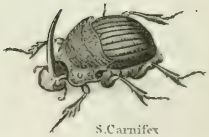
S.Chorinæus



S.Titytus



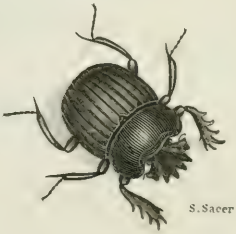
Scarabæus
Hercules



S.Carnifex
male

S.Carnifex
female

S.Molossus



S.Sacer

Published as the Act directs Aug.1st 1809, by Longman, Hurst, Rees & Orme, Paternoster Row.

Order Coleoptera

GENUS *GOLIATHUS*

G.Cœcicus

G.magnus

Milton Publ.

Published as the Act directs April 1st 1816, by Longman, Hurst, Rees & Orme Paternoster Row

Order Coleoptera. GENUS *LUCANUS*—G *DERMESTES*—G *SILPHA*

1 L. cervus
2 L. inermis
3 D. viginti guttatus
4 D. sexdentatus
5 D. brachypterus
6 D. pedicularius
7 D. picipes
8 S. hemorrhoidalis
9 S. rufipes
10 S. quadri guttata
11 S. marginalis
* *magnified*

Published as the Act directs, Jan. 1. 1811 by Longman, Hurst, Rees, Orme & Brown, Paternoster Row.

Milton sc.

Order Coleoptera.

12.B.pubiscens

1.B.polegraphus – 2.P.typographus – 3.B.piniperda – 4.P.scotias – 5.P.imperialis – 6.P.sex punctatus – 7.P.afselatus – 8.P.faccinicornis.

9.H.unicolor – 10.H.planus – 11.G.natator – * *magnified* – † *under surface.*

Published as the Act directs Aug.1.1813.by Longman Hurst Rees, Orme & Brown, Paternoster Row

Order Coleoptera.

N.B. Cistela is a Fabrician genus & answers to the Cryptocephalus of Linnæus.

GENUS *BYRRHUS*. *GANTHRENUS*. *G CISTELA*. *G SILPHA*. *G MELYRIS*

1 B pilula
2 A schrophulariæ
3 C pallida
4 C læta
5 C lepturoides
6 S germanica
7 S vespillo
8 S thoracica
9 S Immator
10 S obscura
11 S quadrimaculata
12 S sinuata
13 M viridis
* *maculicol*

Milton sculp

Published as the Act directs Dec 1 1813 by Longman Hurst Rees Orme & Brown Paternoster Row

GENUS *OPATRUM*. *G. TRITOMA*. *G. TETRATOMA*. *G. CASSIDA*

1.O.sabulosum. 2.Tri.rufipes. 3.Tri.pilosa. 4.Tet.cinnamoneum. 5.Tet.fungorum. 6.Tet.ancora. 7.C.grassa. 8.C.lateralis. 9.C.cruentata. 10.C.maculata.

* magnified † under surface

Published as the Act directs. Sep.1.1817. by Longman, Hurst, Rees, Orme & Brown, Paternoster Row.

Miller sculp.

Order Coleoptera

GENUS *COCCINELLA*.

6 guttata
oblongo-guttata
8 pustulata
frontalis
11 punctata
12 punctata

7 C. septem-notata
8 C. 4 pustulata
9 C. punctata
10 C. analis
11 C. parvula
12 C. 6 pustulata

Published as the Act directs Nov. 1 1813 by Longman Hurst Rees Orme & Brown Paternoster Row.

8 C.boleti
9 C.14 guttata
10 C.marginalis
11 C.marginata
12 C.marginella
13 C.hannoveriana
* *magnified*

Published as the Act directs Dec.1.1813, by Longman Hurst Rees Orme & Brown Paternoster Row

GENUS CRYPTOCEPHALUS_G.CRIOCERIS_G.HISPA_G.BRUCHUS_G.PAUSUS.

y cordiger
y variabilis
y distinguendus

12.P.fichtelii
13.P.pecticornis
* magnified

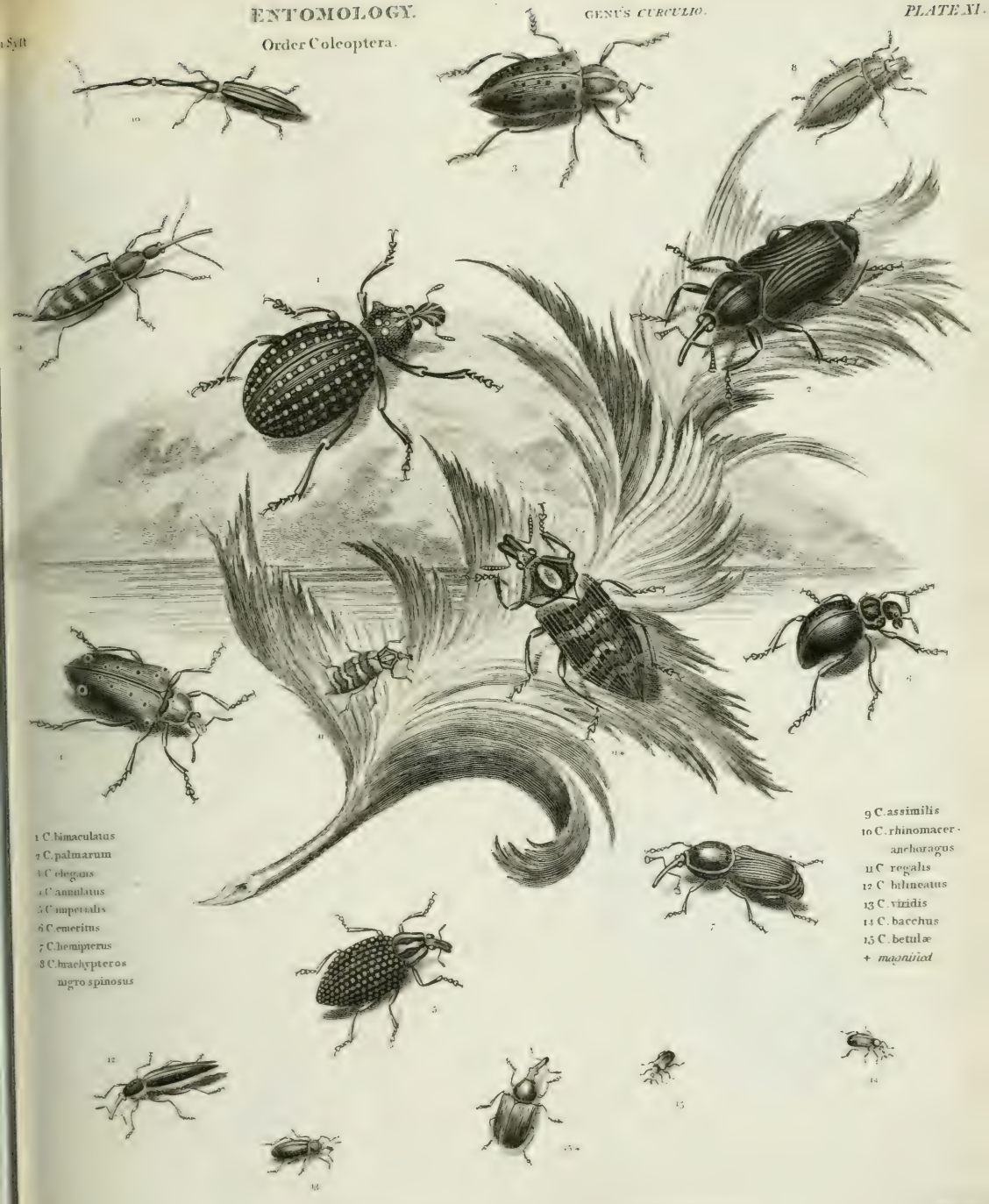
4.Cry.lobatus
5.Cry.obscurus
6.Cri.campestris
7.Cri.punctatus

8.H.mutica
9.B.bipunctatus
10.P.denticornus
11.P.thoracicus

Milton sculp

Published as the Act directs, May 1.1814. by Longman, Hurst Rees, Orme & Brown, Paternoster Row

Order Coleoptera.



1 C. bimaculatus
2 C. palmarum
3 C. elegans
4 C. annulatus
5 C. imperialis
6 C. emeritus
7 C. hemipterus
8 C. brachypteros nigro spinosus
9 C. assimilis
10 C. rhinomacer-anchoragus
11 C. regalis
12 C. bilineatus
13 C. viridis
14 C. bacchus
15 C. betulæ
+ *magnified*

Published as the Act directs Dec.1 1815 by Longman Hurst Rees Orme & Brown Paternoster Row

ENTOMOLOGY.

Order Coleoptera.

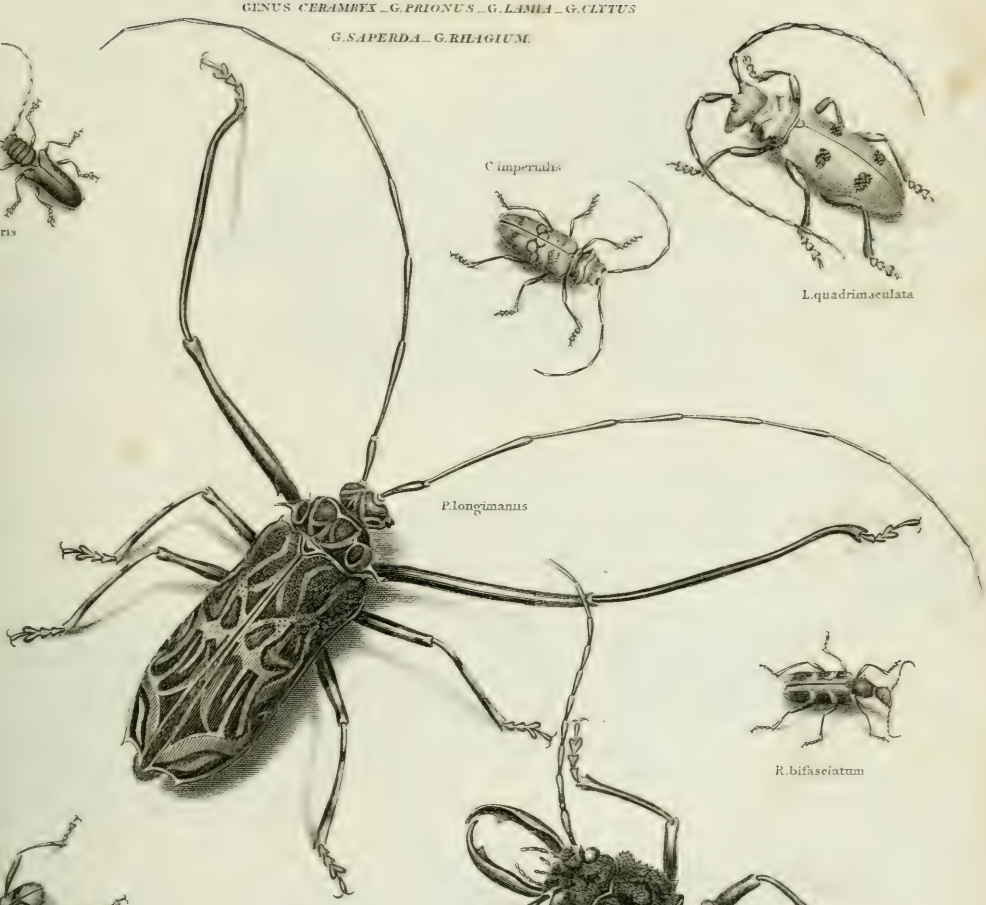
GENUS *CERAMBYX* – *G. PRIONUS* – *G. LAMIA* – *G. CLYTUS*

G. SAPERDA – *G. RHAGIUM.*

S. collaris

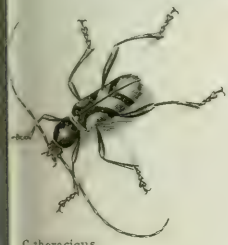
C. imperialis

L. quadrimaculata



P. longimanus

R. bifasciatum



C. thoracicus

S. nigro-virens

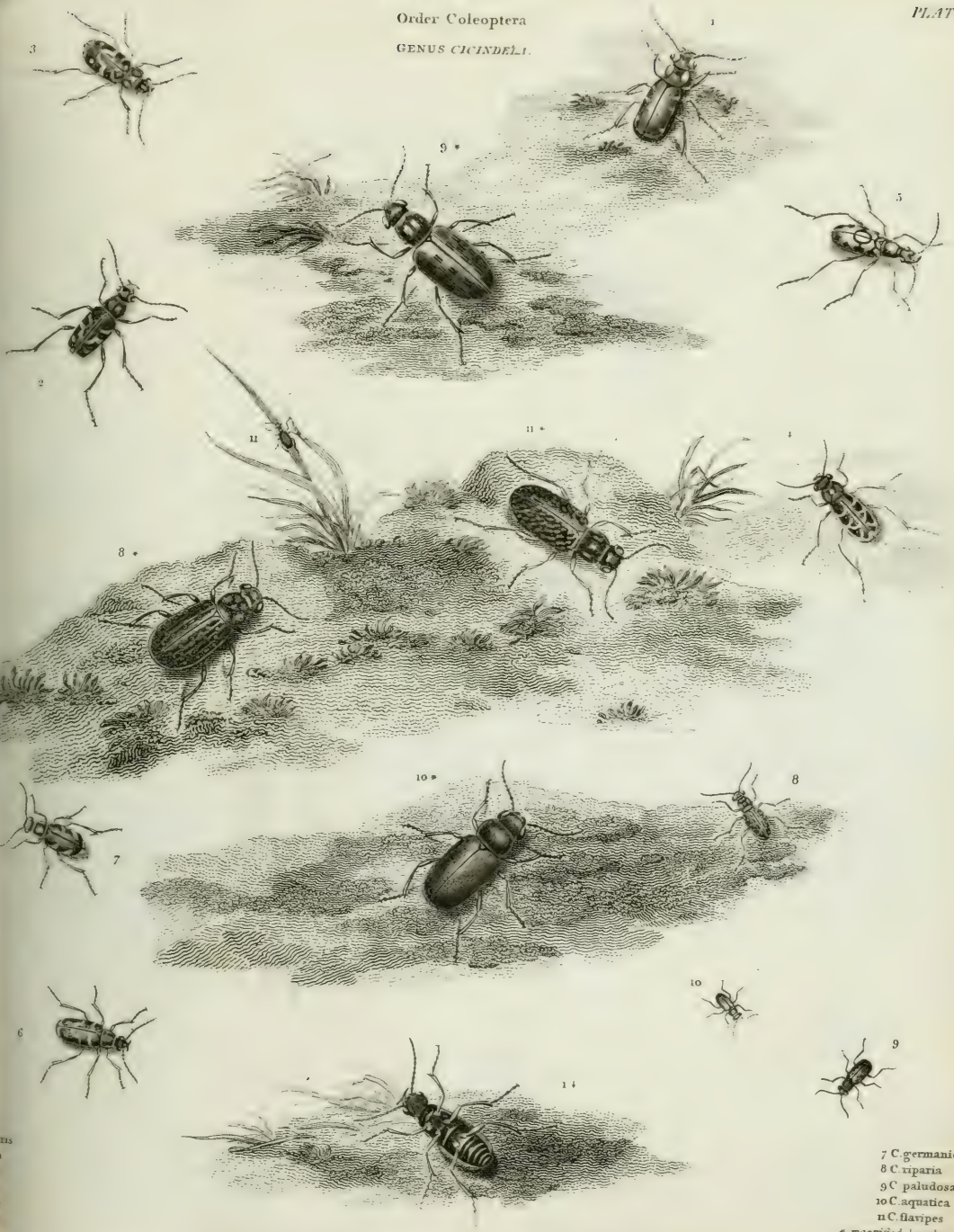
P. unidentatus

Published as the Act directs Oct.r 1.st 1820 by Longman Hurst Rees Orme & Brown Paternoster Row

ENTOMOLOGY.

Order Coleoptera

GENUS *CICINDELA*.



7 C. germanica
8 C. riparia
9 C. paludosa
10 C. aquatica
11 C. flavipes
* magnified + under surface

Published as the Act directs Nov.1 1813, by Longman Hurst Rees, Orme & Brown Paternoster Row.

ENTOMOLOGY.

Order Coleoptera.

GENUS *DYTISCUS*

1 D.piceus
2 D.latissimus
3 D.marginatus
4 D.cinereus
5 D.caraboides

6 D. sulcatus
7 D. minutus
8 D.bipustulus
9 D.uliginosus
4 *under surface*

Published as the Act directs Jan.1.1814, by Longman Hurst Rees. Orme & Brown Paternoster Row.

Malem sculp.

1 C 8maculatus
2 C sycophanta
3 C punctatus
4 C auronitens

5 C arenarius
6 C granulatus

+ magnified

7 C thoracicus
8 C. 2 maculatus

9 C germanus
10 C prasinus
11 C. crux minor
12 C semipunctatus

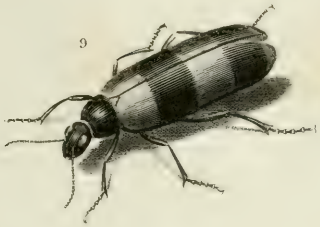
Published as the Act directs May 1 1814 by Longman Hurst Rees Orme & Brown Paternoster Row

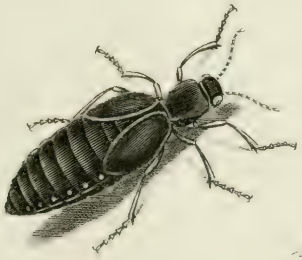
Miller sculp

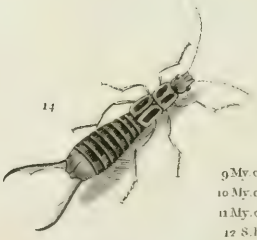
GENUS *TENEBRIO*_*G.PIMELIA*_*G.HELOPS*.

1 T.gigas
2 T.femoratus
3 T.molitor
4 T.curvipes
5 T.culinaris
6 T.ferrugineus
7 P.gages
8 P.sepidium
9 P.tragosita
10 H.lanipes
11 H.fasciata
12 H.fusca
* *magnified*

Published as the Act directs Dec.1.1823, by Longman Hurst, Rees, Orme & Brown, Paternoster Row.







L. vesicatoria
L. dubia
Me. proscarabæus
Me. variegatus
Mo. bicolor
Mo. flava
Mo. dorsalis
Mo. frontalis

9 My. cichorei *var*
10 My. cichorei *var*
11 My. cichorei *var*
12 S. hirtus
13 F. gigantea
14 F. gigantea
15 L. schaefferi
* *magnified*

Published as the Act directs, Dec.1. 1813, by Longman, Hurst, Rees, Orme & Brown, Paternoster Row.

GENUS 12 *Hispa*

G.13 *Bruchus*

G.14 *Curculio*

G.15 *Attelabus*

G.16 *Cerambyx*

G.17 *Leptura*

G.18 *Necydalis*

G.19 *Lampyris*

G.20 *Cantharis*

G.21 *Elater*

Published as the Act directs June 2 1806 by Longman & Rees. Paternoster Row.

ENTOMOLOGY.

Order Hemiptera.

Genus MANTIS.

Order Hemiptera.

Genus GRYLLUS.

Published as the Act directs. Oct. 29. 1803. by Longman & Rees Paternoster Row.

ENTOMOLOGY.

Order Hemiptera.
Gen. FULGORA. G. CICADA
G. NOTONECTA

Published as the Act directs June 1st 1806, by Longman & Rees Paternoster Row

GENUS *CHERMES*–G.*CIMEX*–G.*COCCUS*–G.*NEPA*–G.*THRIPS* G.*APHIS*

Published as the Act directs April 1.1818 by Longman Hurst Rees Orme & Brown Paternoster Row

Order Lepidoptera.

Genus PAPILIO.

Published as the Act directs March 1st 1807 by J. Harris, Corner of Chancery Lane.

Order Lepidoptera.

Genus SPHINX.

Sesia

Sphinx

Sphinx

Sesia

Zygaena

Zygaena

B.Laocoon
B.Pavonia
Bombyx Tau
B.Luna
B.Atlas

ENTOMOLOGY.

Order Lepidoptera Genus Bombyx.

B.quercifolia.

B.versicolora

Bombyx vinula.

B.Saturnus.

B.Potatoria

B.Hebe.

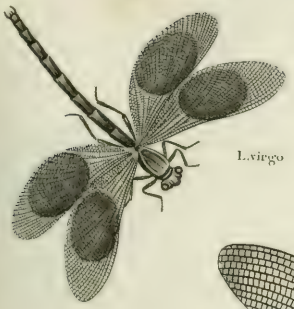
B.Potatoria

Published as the Act directs Jan.1.1806. by Longman Hurst, Rees & Orme Paternoster Row

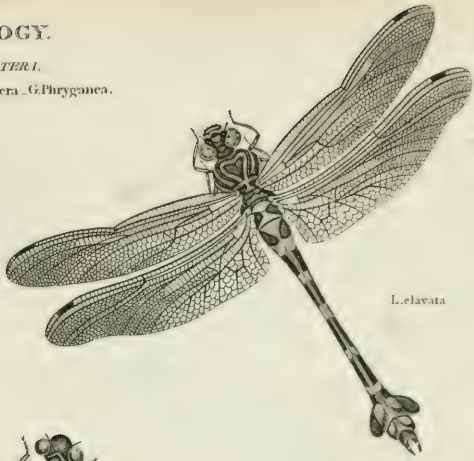
ENTOMOLOGY.

ORDER NEUROPTERA.

GENUS Libellula_G.Ephemera_G.Phryganea.



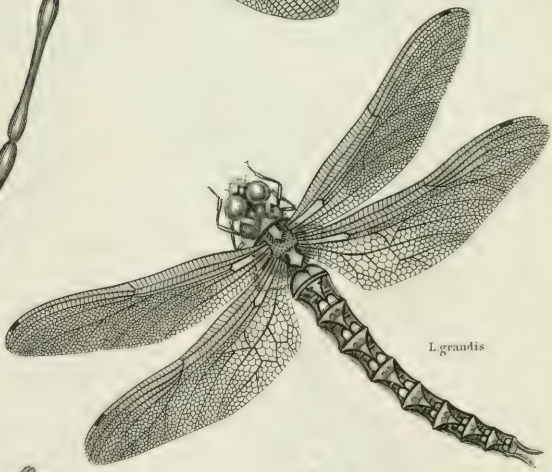
L.virgo



L.clavata

Libellula linearis

L.indica



L.grandis

Ephemera vulgata

L.puella

Phryganea varia

Published as the Act directs, April 1st 1808, by Longman Hurst Rees & Orme Paternoster Row.

Linn. Syst.

ORDER NEUROPTERA.

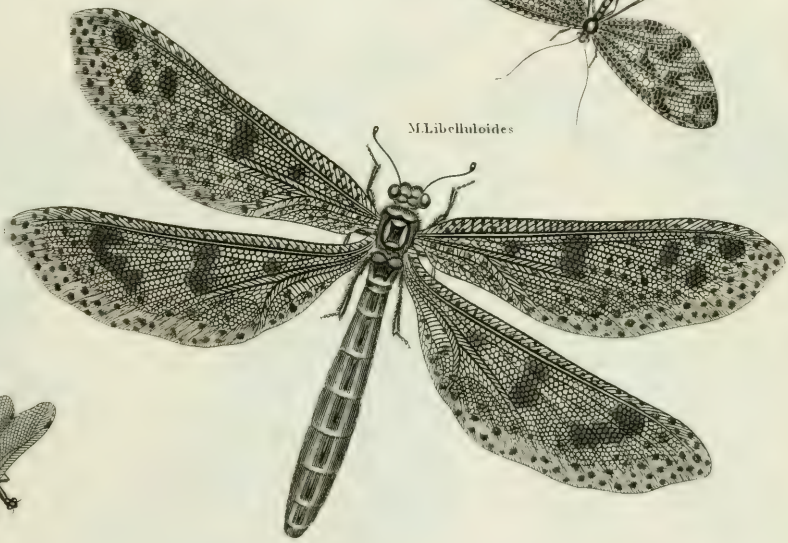
PLATE
of Order N

GENUS Ascalphus_Hemerobius_Myrmeleon_Panorpa_Raphidia.

A.Americanus

P.Communis

P.Cos



M.Libelluloides

R.Ophiopsis

R.Ophiopsis

H.Chrysops

P.Communis

A.Barbarus

Published as the Act directs Sept.r 1st 1806 by Longman Hurst Rees & Orme Paternoster Row

Genus CYNIPS_G.TENTHREDO. G.SIREX. G.ICHNEUMON. G.SPHEX

Published as the Act directs April 1.1813 by Longman Hurst Rees Orme & Brown Paternoster Row

ENTOMOLOGY.

Order Hymenoptera.

GENUS *AMMOPHILA* – *G. SCOLIA* – *G. THYNNUS* – *G. LEUCOPSIS* – *G. TIPHIA* – *G. CHALCIS* – *G. CHRYSIS.*

1 Amm. sabulosa
2 Sco. quadrifrons
3 Thy. marginatus
4 Leu. fenestrata
5 Tip. nodata

6 Tip. villosa
7 Cha. sispes

8 Chr. splendida
9 Chr. amethystina
10 Chr. fasciata
11 Chr. ignita
* *magnified*

Published as the Act directs, March 1, 1814, by Longman, Hurst, Rees, Orme & Brown, Paternoster Row

Milton sculp

7
3
2
4
12
6
5
11
1
13
8
10
9
9 E. Bengalensis
10 E. bihamata
11 M. Americana *femal.*
12 M Bengalensis
13 M rubea *mal.*

8 T.crocata
9 T.punctata
10 T atrata
11 T.plumosa
12 T.pectinicornis
13 Dicranomone
a magnified
b female

Published as the Act directs April 1st 1824 by J. Sowerby, Mead Place, Lambeth, and J. de C. Sowerby, 156 Great Russell Street, Bloomsbury.

ENTOMOLOGY.

Order Diptera.

GENUS *MUSCA*.

M.Noctilnea

M.bilineata

M.Sexbalteata

M.Vibrans

M.honcutoria

M.bifasciata

M.Tenax
Syrphus tenax F.

M.Ceria Clavicornis F.

M.Fasciata

M.Analis Bibio F.

M.Florea

M.lurida

M.Vespiformis

M.grossa

M.Cupraria

M.Onopordinis

M.morio

Chamaleon
Stratiomys F.

M.Pendula

M.tenax
Syrphus tenax F.

M.Triangularia

M.Nemotelus Uliginosus

M.Solstitialis

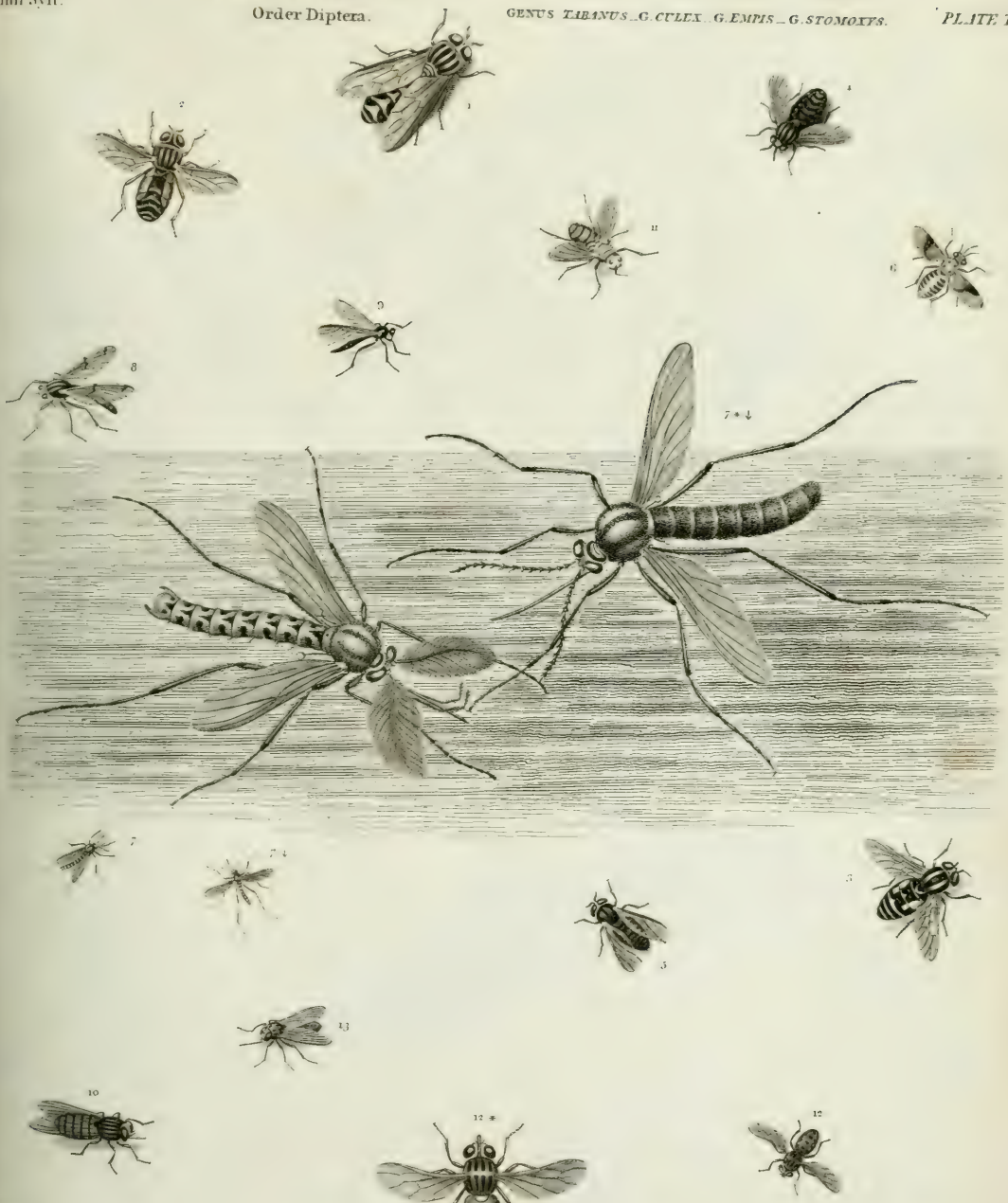
M.Scolopacea
Rhagis Scolopacea F.

M.Stellata

M. Mymicid
. tonah
T. fabricius

Published as the Act directs Aug.1.1818. by Longman, Hurst, Rees, Orme & Brown, Paternoster Row.

Milton. sculp.



1 T.bovinus
2 T.tropicus
3 T.bromius
4 T.pluvialis
5 T.rusticus

6 T.cæcutiens
7 C.pipiens

8 E.forcipata
9 E.borealis

10 S.rostrata
11 S.irritans
12 S.calcitrans
13 S.pungens
* magnified ♀ female

Published as the Act directs Feb.1.1814. by Longman Hurst, Rees, Orme & Brown, Paternoster Row.

Milton sculp.

Order Diptera

7 Bombylius major
8. B. ..... medius
9. Hippobosca equina
10. H. ... ovina
11. H. ..... avicularia
12. H. ..... hirundinis

* magnified † under surface

Published as the Act directs. Aug.1.1817. by Longman Hurst. Rees. Orme & Brown. Paternoster Row.

Milton sculp.

GENUS *LEPISMA* G.*PODURA* G.*TERMES*

Great African White Ant.

1.Labourers 2.Soldiers 3.King 4.Male 5.Pregnant Female *or* Queen 6.Nests. 1 *under surface*

Published as the Act directs Feb.1.1819 by Longman Hurst Rees Orme & Brown Paternoster Row

ENTOMOLOGY.

Order Aptera

GENUS *PEDICULUS* — G. *PULEX* — G. *ACARUS* — G. *PROMBIDIUM* — G. *HYDRACHNA*

Louse — Flea

1 P. humanus
HUMAN L.

2 P. asini
ASS L.

3 P. cygni
SWAN L.

4 P. corvi
CROW L.

5 P. picæ
MAGPIE L.

6 P. gruis
CRANE L.

7 P. columbæ
PIGEON L.

8 P. plurialis
PLOVER L.

9 P. apis
BEE L.

10 Pulex irritans
FLEA

11 Acarus ricinus

12 Acarus aquaticus

13 Acarus abstergens

14 Hydrachna geographica

15 Hydrachna abstergens

* magnified

† female

Published as the Act directs June 1, 1814, by Longman Hurst Rees Orme & Brown Paternoster Row

Linn. Syst.

Order Aptera.

PLATE

GENUS *TARANTULA*. G. *PHALANGIUM*. G. *NYMPHION*. G. *PYCNOGONUM*.

Published as the Act directs, April 1st 1810, by Longman Hurst Rees & Orme Paternoster Row.

Milton fc

ENTOMOLOGY

Order Aptera.

GENUS *ARANEA*

Spider

Position of the Eyes in different Spiders

A. Extensa. *A. Globosa.* *A. Morrida.* *A. Argentata.* *A. Fasciata.* *A. Angulata.* *A. Tarantula.* *A. Avicularia.* *A. Maculata.*

Published as the Act directs May 1st 1808 by Longman Hurst Rees & Orme Paternoster Row

1.Scorpio afer. 5.S.linearis. 3.S.Europæus.

2.under Surface. 4.under Surface.

Published as the Act directs by J. Rees & Orme Paternoster Row.

CRUSTACEA.

Order CANCER

GENUS DORIPPE.–*GENUS* DORMIO.

Published as the Act directs Aug.st 1.1806. by Longman Hurst. Rees & Orme Paternoster Row

Order CANCER.

GENUS *PORTUNUS*.
Section Orithyia
Section Matuta

Published as the Act directs Oct.1.1817 by Longman Hurst Rees Orme & Brown Paternoster Row

Genus CANCER.

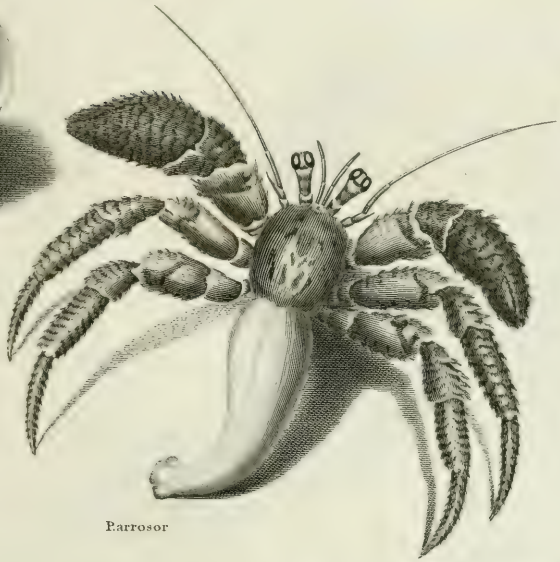
1 Cancer Ursus minor
2 C.....digitalis
3 C.....strigatus
4 C.....narval
5 C.....dulius
6 C.....linearis
7 C.....fluviatilis

Published as the Act directs June 1st 1813 by Longman Hurst Rees Orme & Brown Paternoster Row.

Milton sculp

GENUS PAGURUS – G. GAMMARUS – G. GAMMARELLUS.

P. excavatus



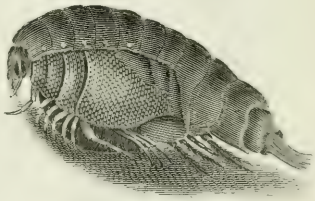
P. arrosor

P. canaticulatus

G.ma mantis

G.a podurus

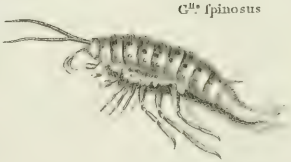
G ampulla



nat size

G.a paludosus

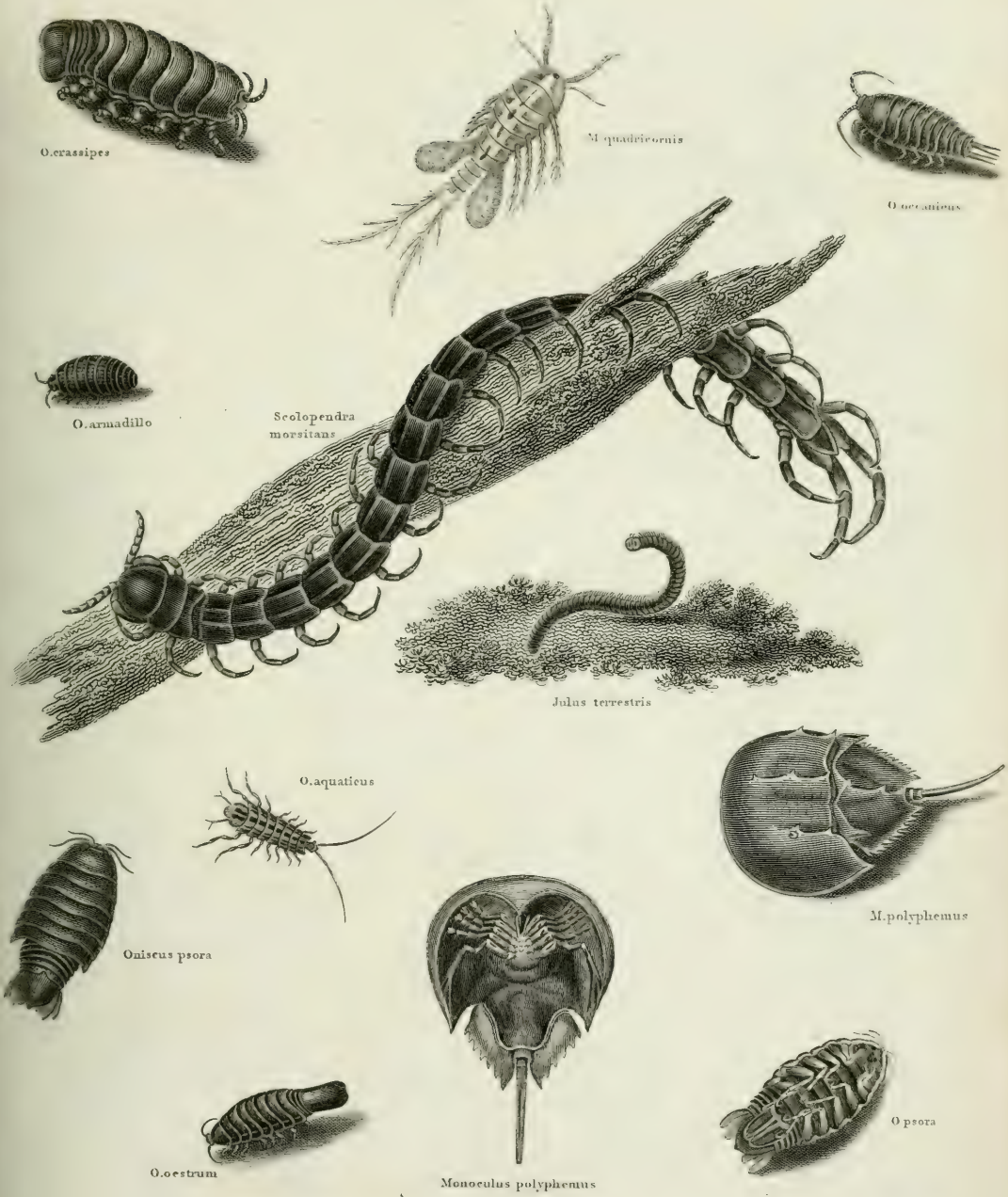
G.a spinosus



G.a pulex. *Baster*

G.a linearis

Published as the Act directs Aug.1st 1810. by Longman, Hurst, Rees & Orme, Paternoster Row.

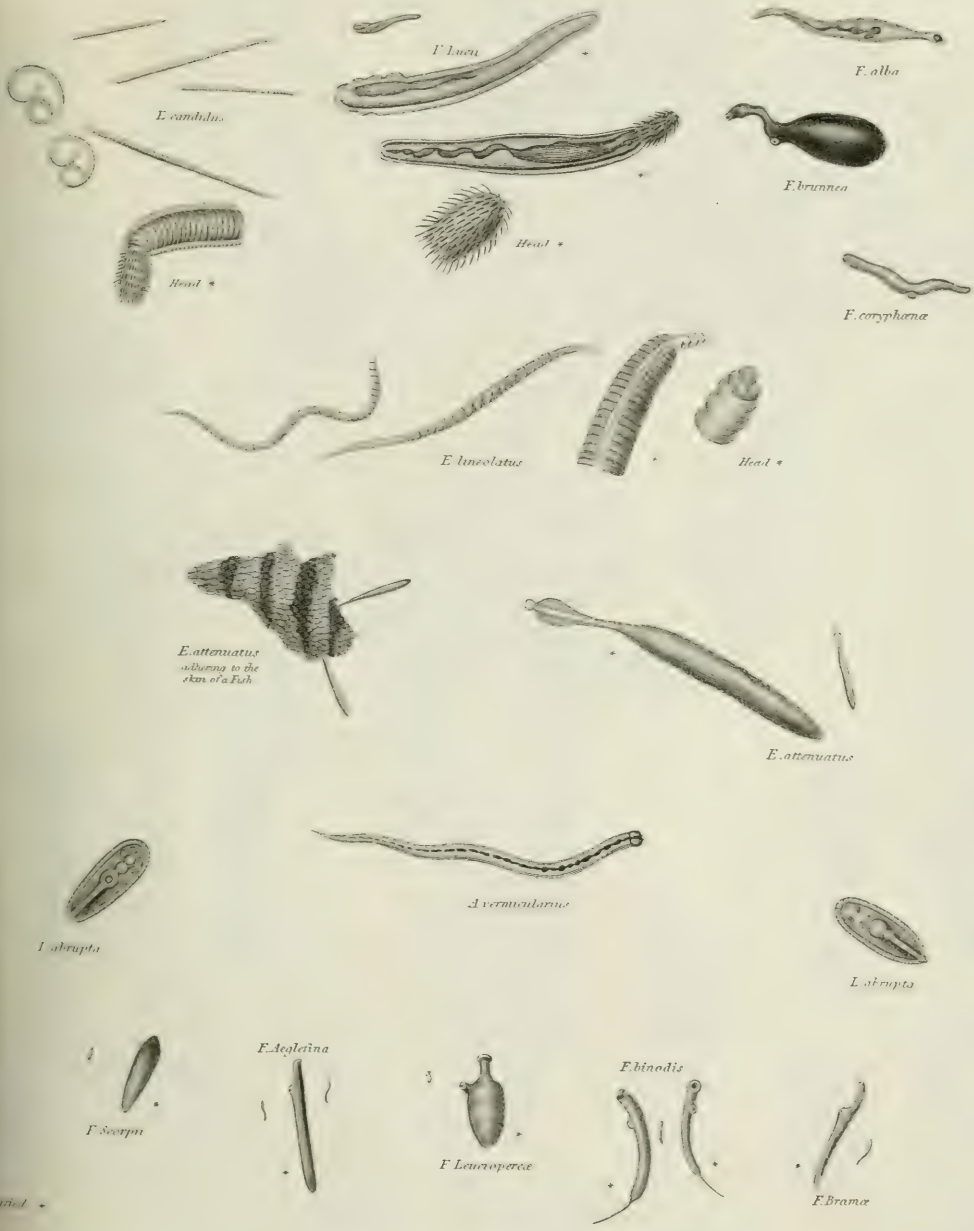


Published as the Act directs July 1st 1808, by Longman Hurst Rees & Orme Paternoster Row.

VERMES.

Order *Intestata*.

Genus *ASCARIS* _ G. *ECHINORHINCHUS* _ G. *FASCIOLA* _ G. *LINGULATA*.



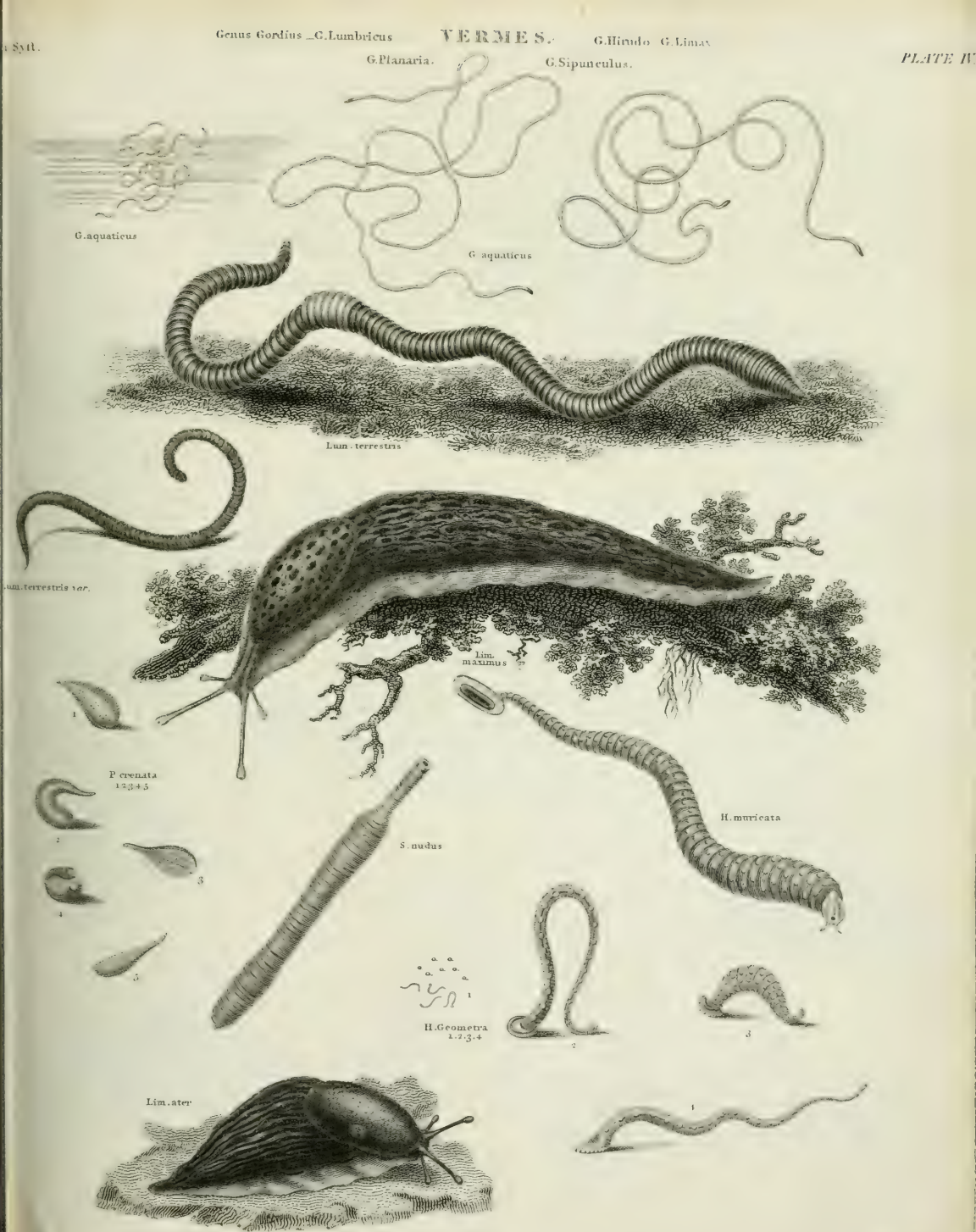
Published as the Act directs May 1 1818 by Longman Hurst Rees Orme & Brown Paternoster Row.

Milton sculp

Fig. 1. Genus *Tænia*.

Published as the Act directs March 1.1819 by Longman Hurst Rees Orme & Brown Paternoster Row.

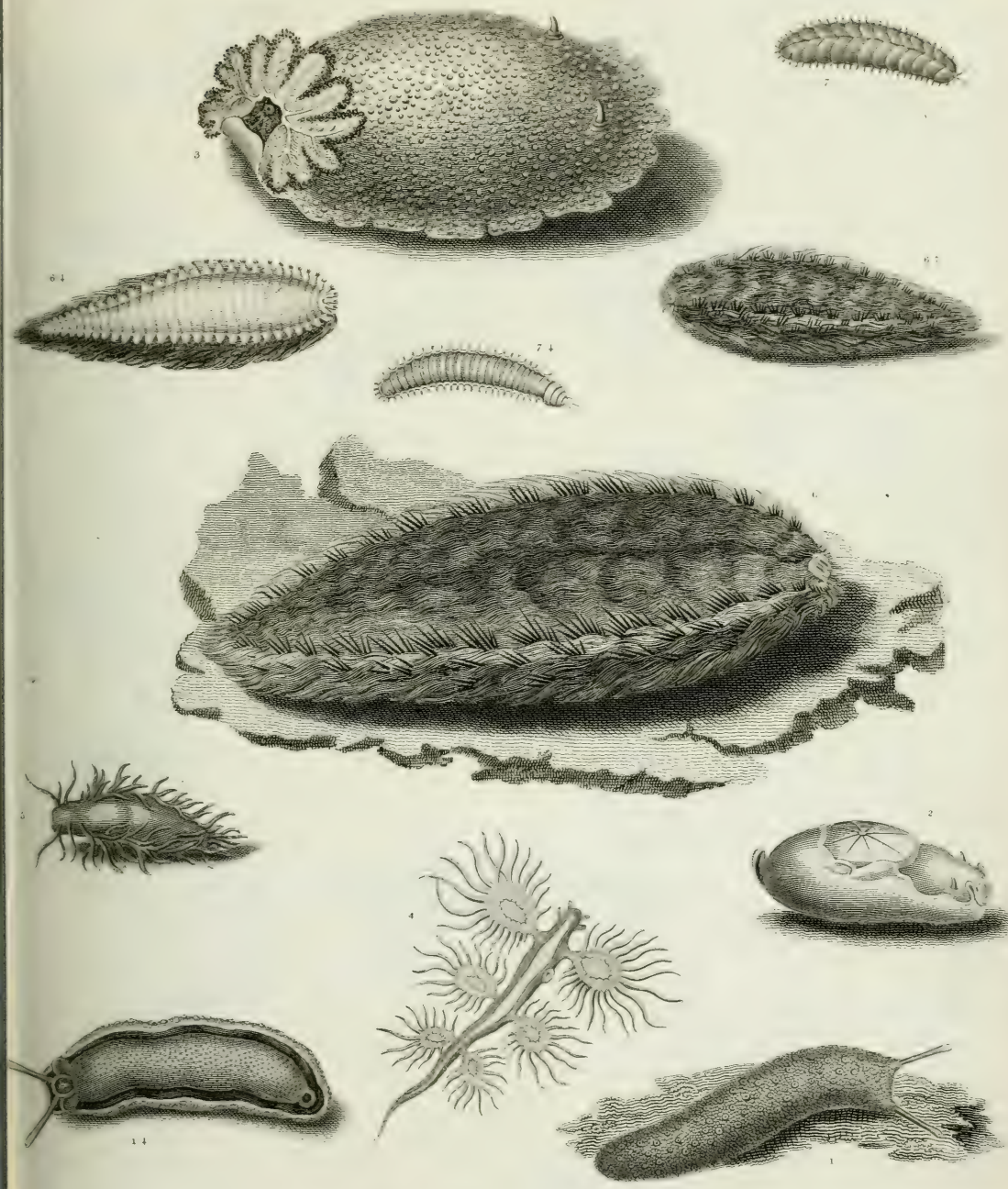
Milton sculp.



Published as the Act directs Feb.1 1812, by Longman Hurst Rees Orme & Brown Paternoster Row

Wilson sculp

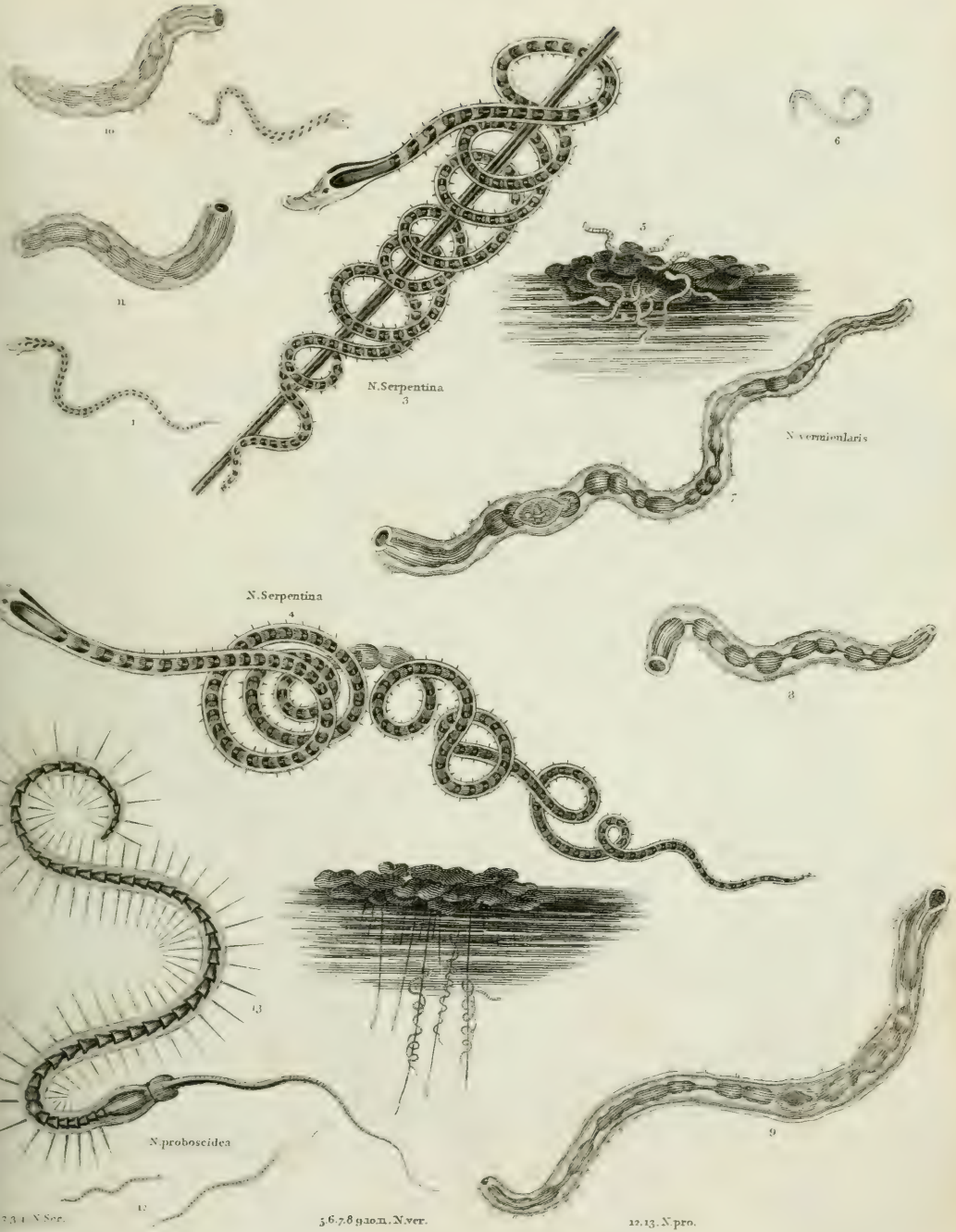
Order Mollusca.



1.Onyphæ_ 2.L.depilans_3.D.argo_4.D.radiata_5.D.papillosa_6.A.aculeata_7.A.squamata

4 under surface. 1 young.

Published as the Act directs April 1st 1814 by Longman Hurst Rees Orme & Brown Paternoster Row

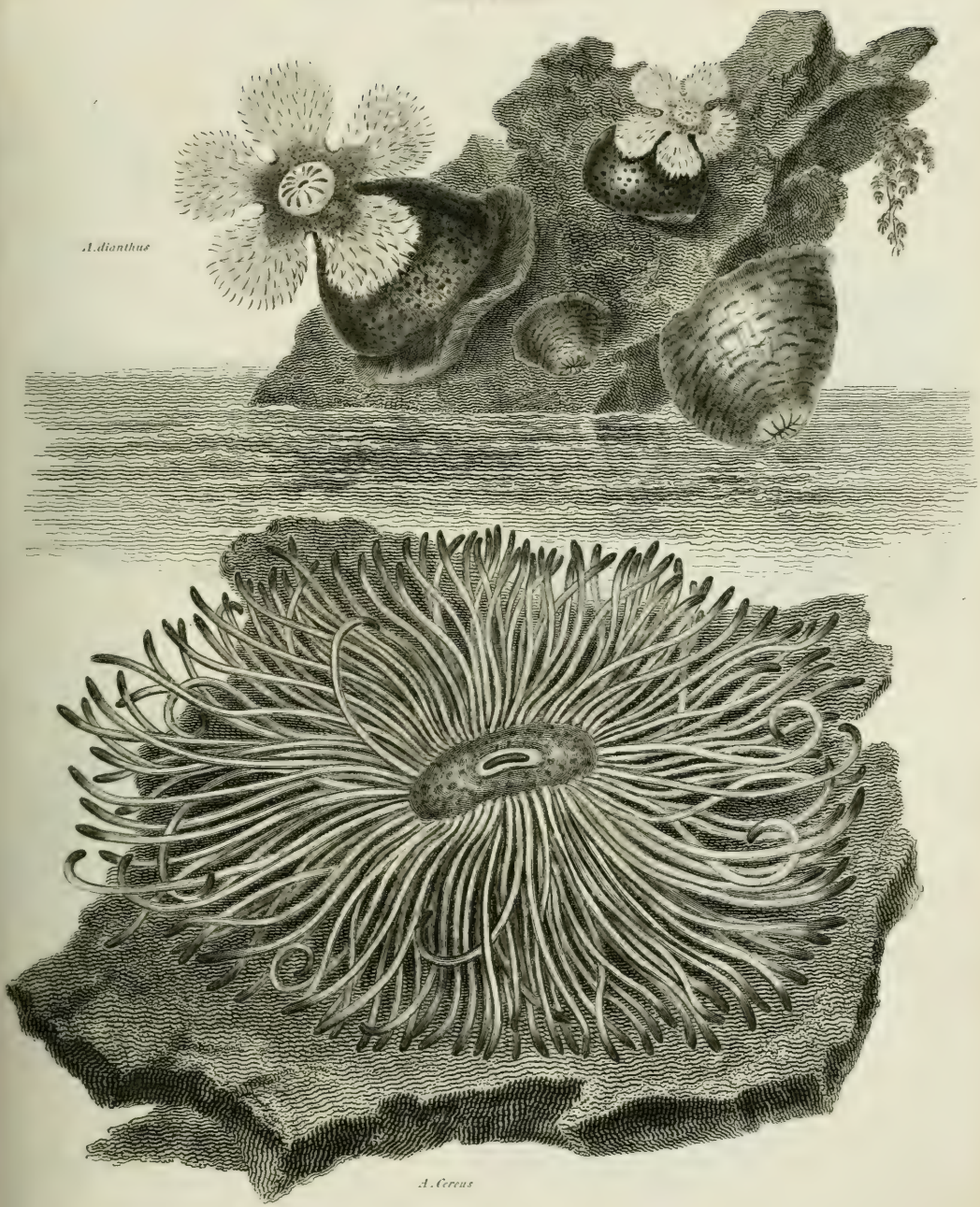


1.2.3.4. N.Ser. 5.6.7.8.9.10.n.N.ver. 12.13.N.pro.

Published as the Act directs April 1.1812. by Longman Hurst Rees Orme & Brown Paternoster Row.

Milton Sculp.

GENUS *ACTINIA*.



A. dianthus

A. Cereus

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ZOOLOGY.

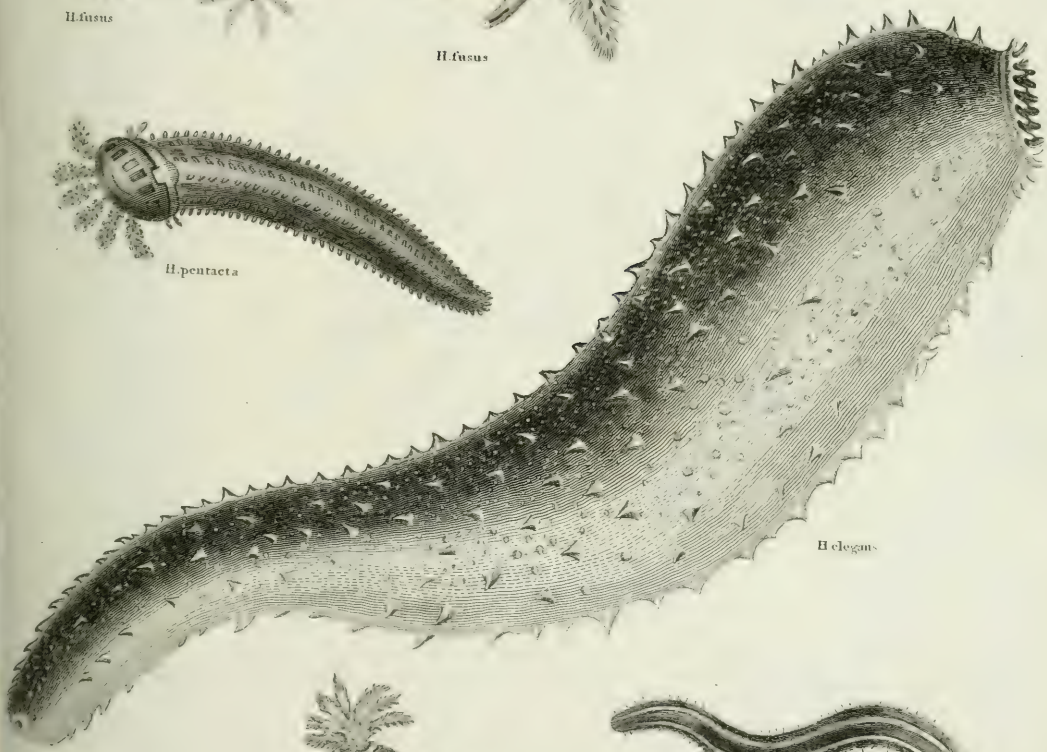
Class VERMES – Order *MOLLUSCA* GENUS *HOLOTHURIA.*

H.fusus

H.fusus

H.penicillus

H.pentacta

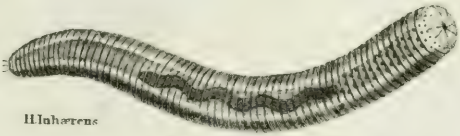


H.elegans

H.squamata
with tentacula expanded

H.Inhærens

H.squamata

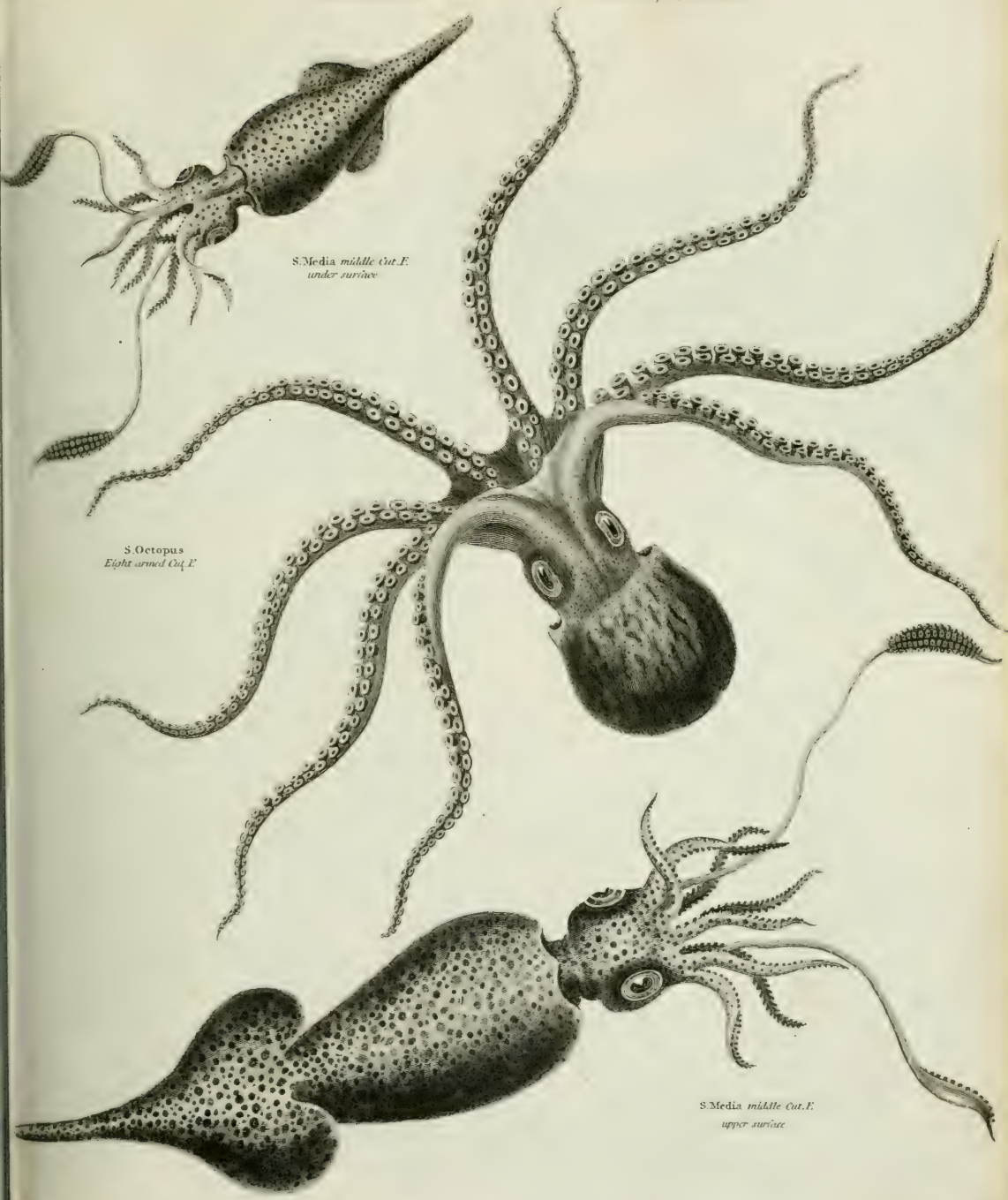


H.Inhærens

Under Surface

Published as the Act directs, Oct.1.1817, by Longman Hurst Rees, Orme & Brown Paternoster Row.

Order *Mollusca.* Genus *Sepia*_Cuttle Fish



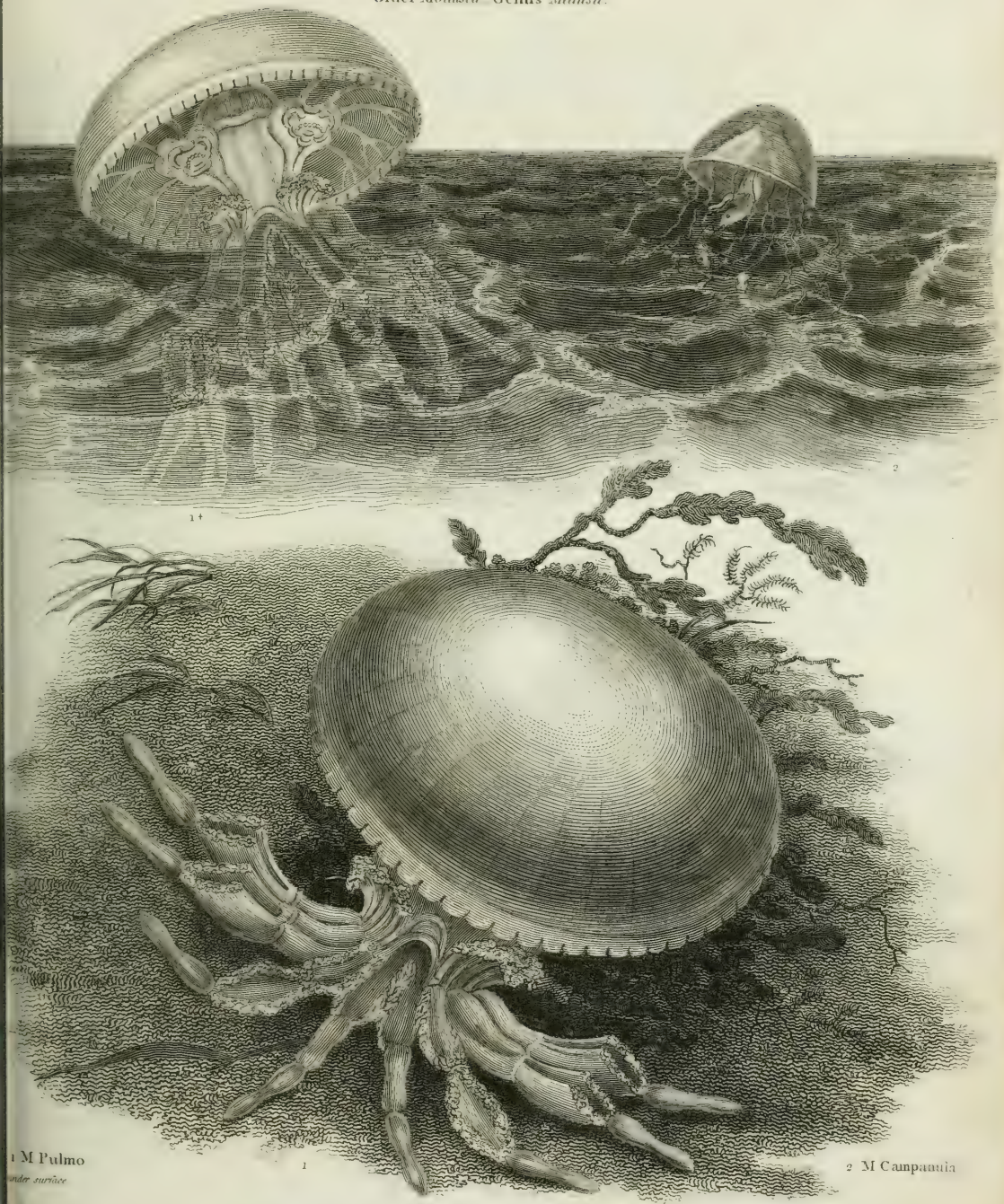
S.Media *middle Cut.F. under surface*

S.Octopus
Eight armed Cut.F

S.Media *middle Cut.F. upper surface*

Published as the Act directs May 1.1810. by Longman, Hurst Rees Orme & Brown, Paternoster Row

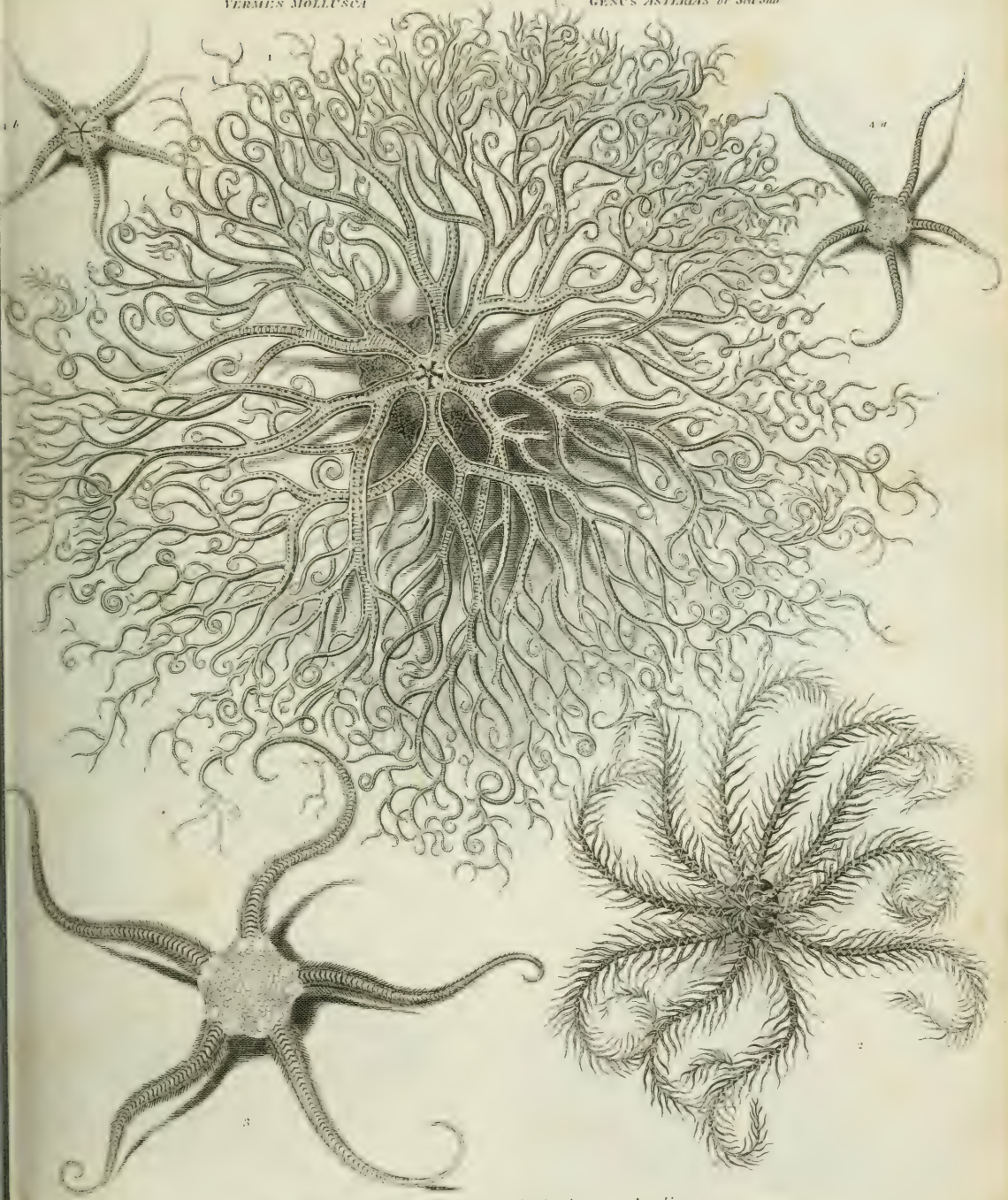
Order *Mollusca* Genus *Medusa*.



1 M Pulmo
under surface

2 M Campanula

Published as the Act directs Nov 1 1813, by Longman Hurst Rees Orme & Brown Paternoster Row.

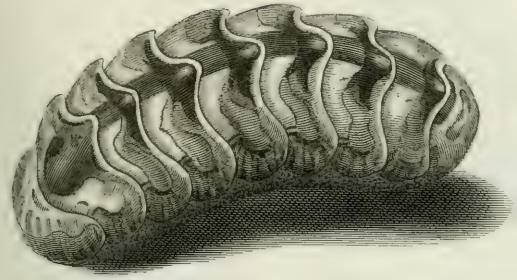


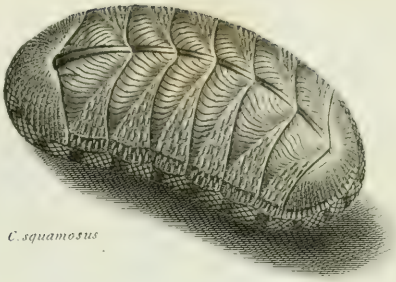
1.A.Caput Medusæ MEDUSAS HEAD SEA S. 2.A.pectinata PECTINATED SEA S. 3.A.sphærulata BEADED SEA S. 4.A.ophiura LIZARD TAIL SEA S { a.upper surface b.under do

Published as the Act directs May 1st 1810 by Longman Hurst Rees Orme & Brown Paternoster Row.

GENUS *CHITON*

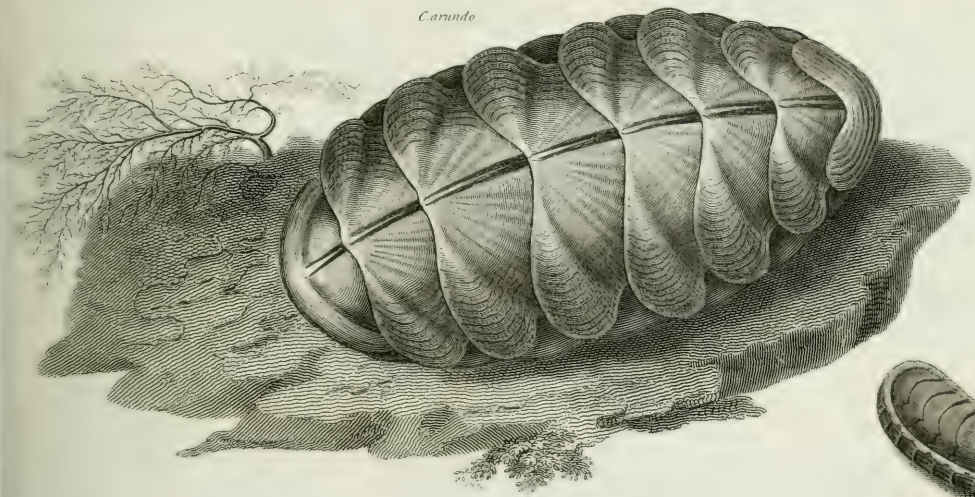
C. aculeatus





C. squamosus

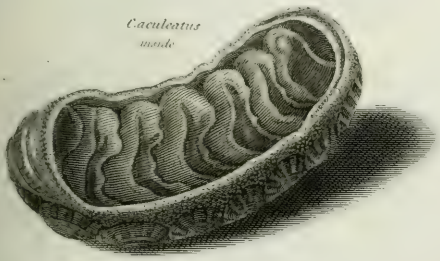
C. arundo

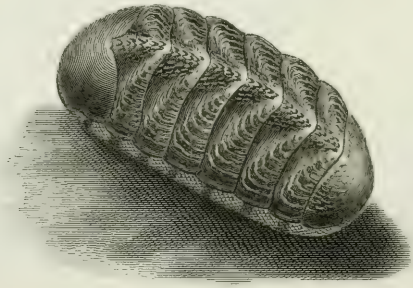


C. olivaceus
minor

C. olivaceus

C. aculeatus
inside





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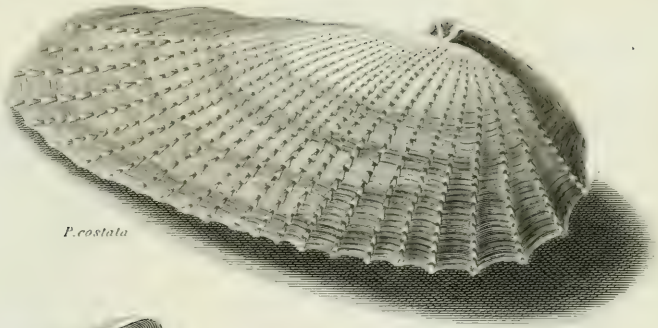
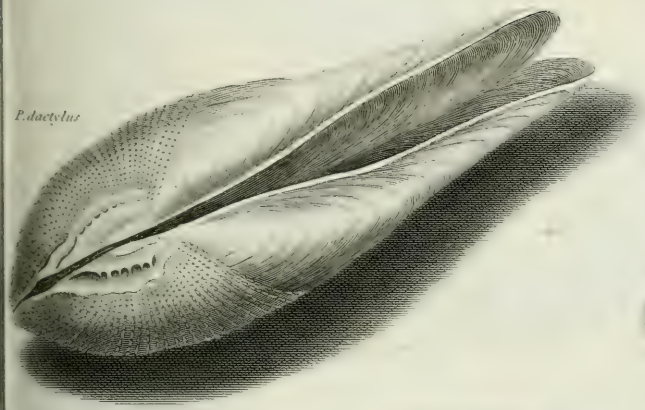
L. anserifera

L. anatifera

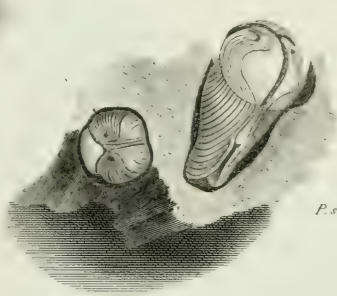
P. striata



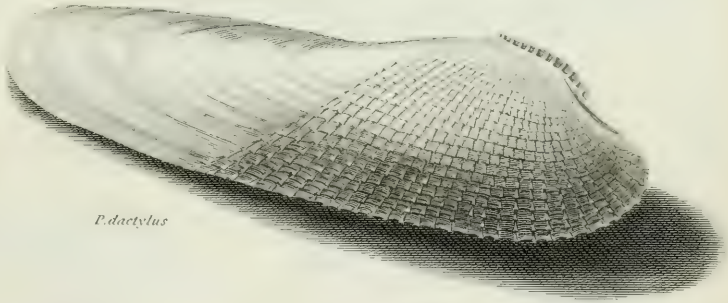
P. costata



P. dactylus

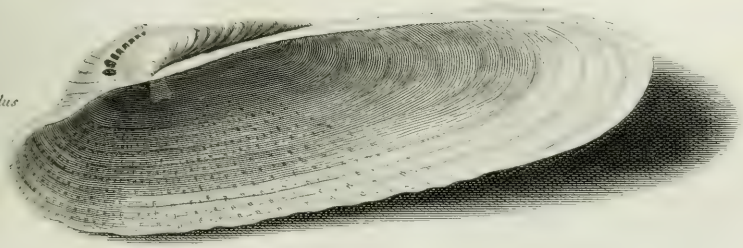


P. striata



P. dactylus

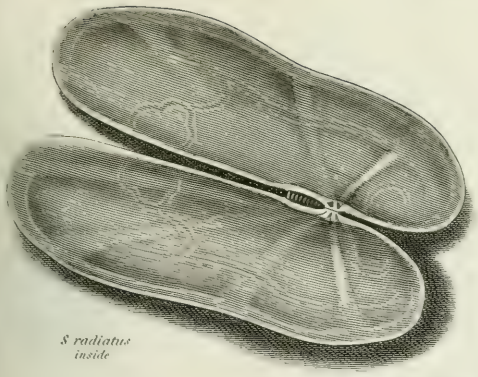
P. striata



P. dactylus

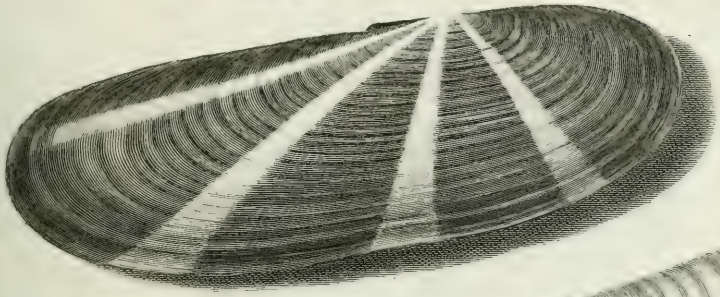
Published as the Act directs. Aug.1st 1827 by Longman Hurst Rees. Orme & Brown. Paternoster Row

Milton scul.

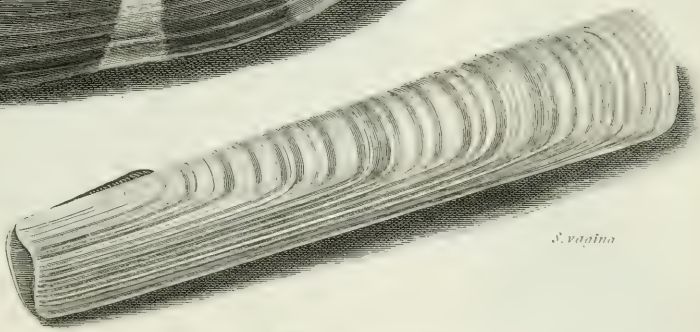


S radiatus inside

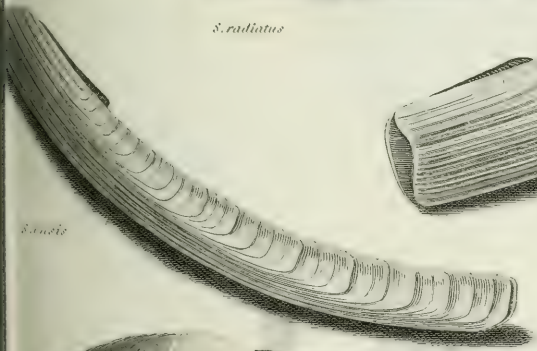
S striatulatus



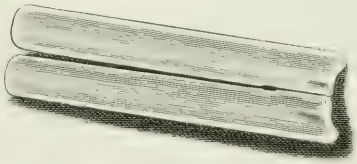
S. radiatus



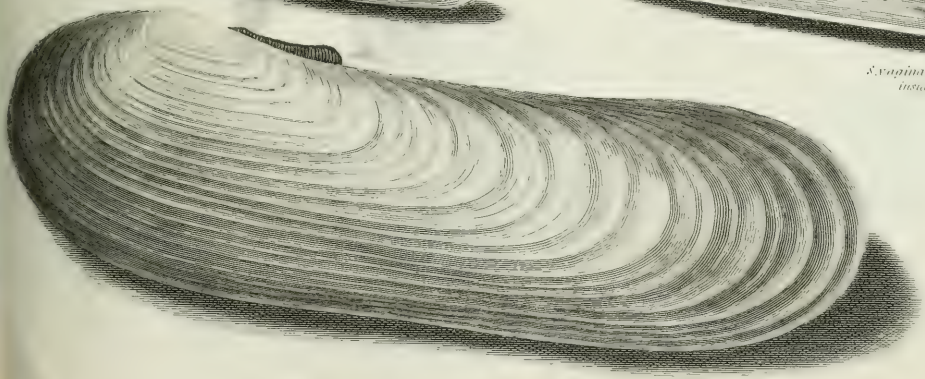
S. vagina

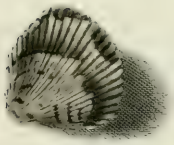


S ensis



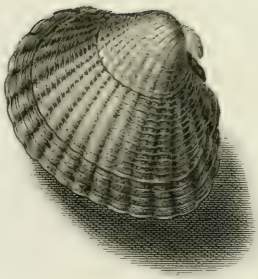
S vagina & ensis inside

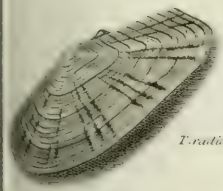




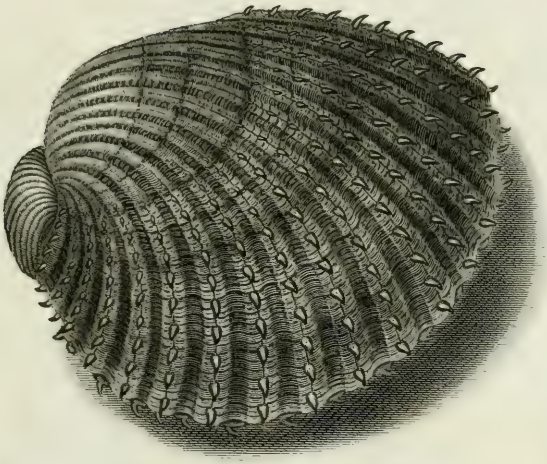
C. medium

C. edule var.



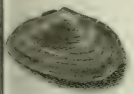


T. radiata



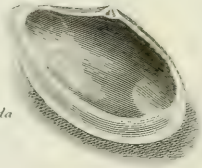
Cardium aculeatum

Tellina bimaculata

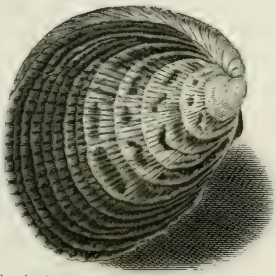


T. fabula left side.

T. radiata inside.

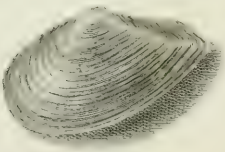


T. squalida inside.



C. laevigatum

T. fabula right side.



T. squalida

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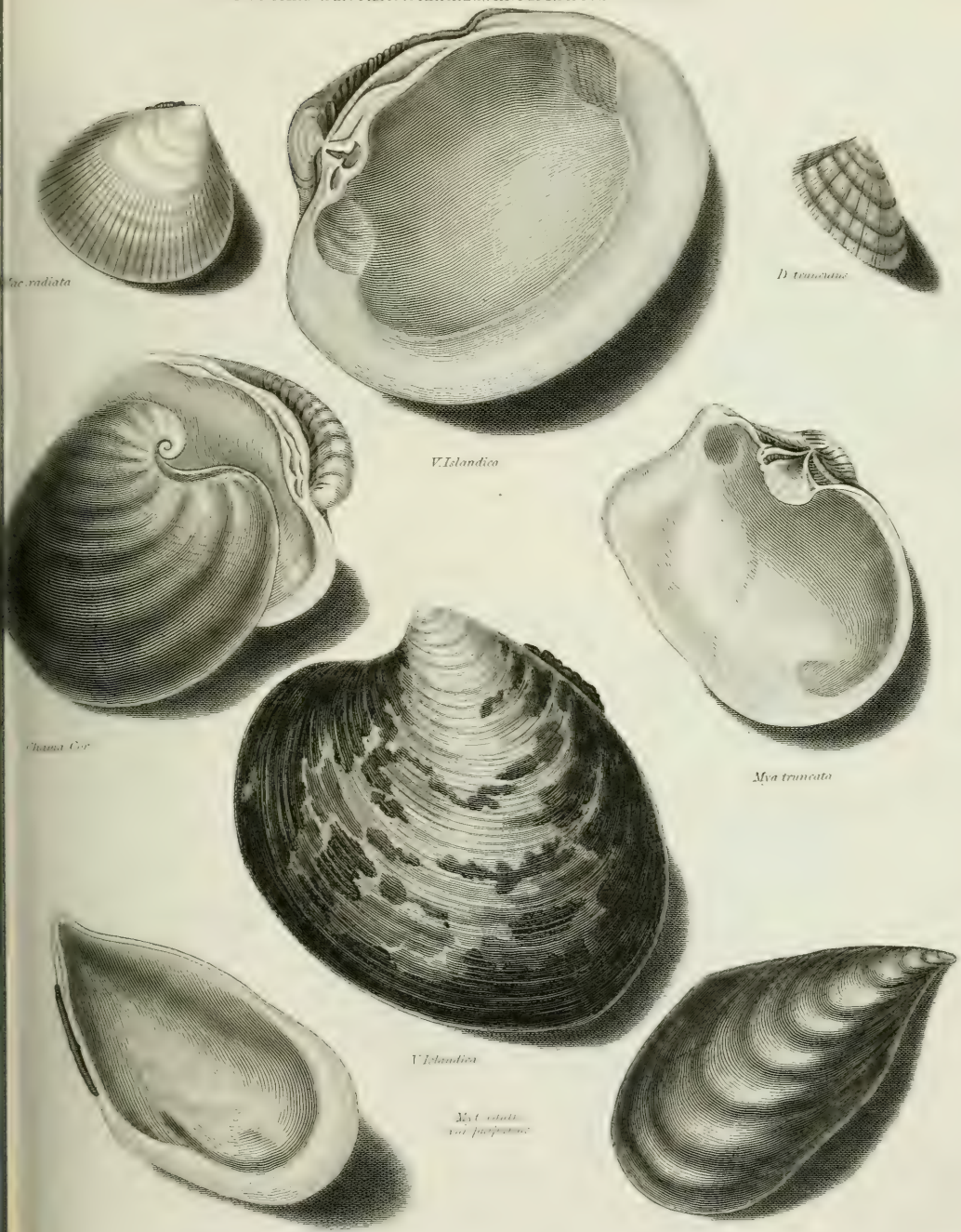
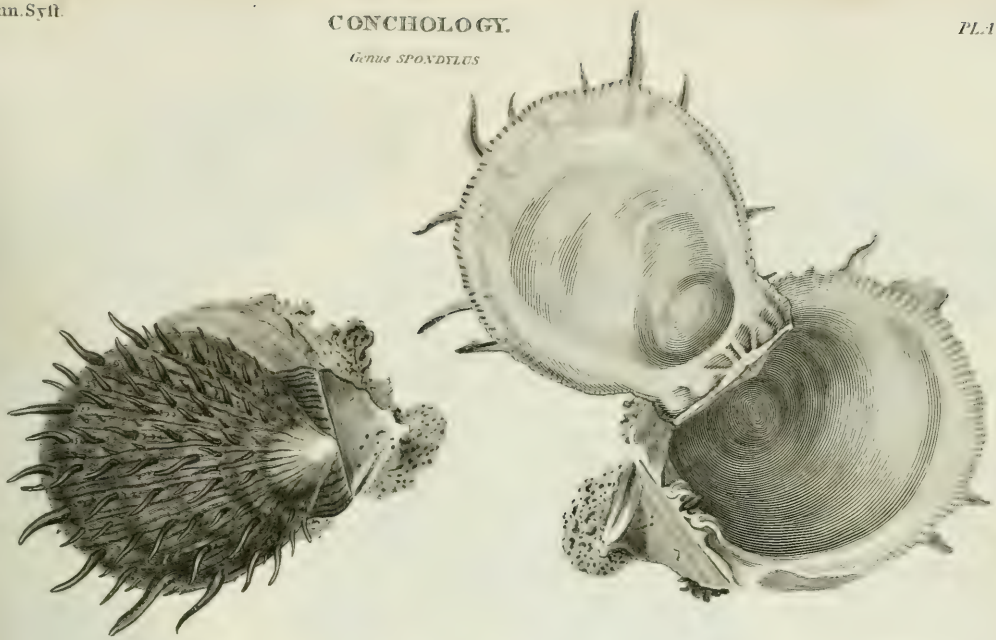
GENUS MYA. G. MACTRA. G. CHAMA. G. VENUS. G. MYTILUS. G. DONAX.



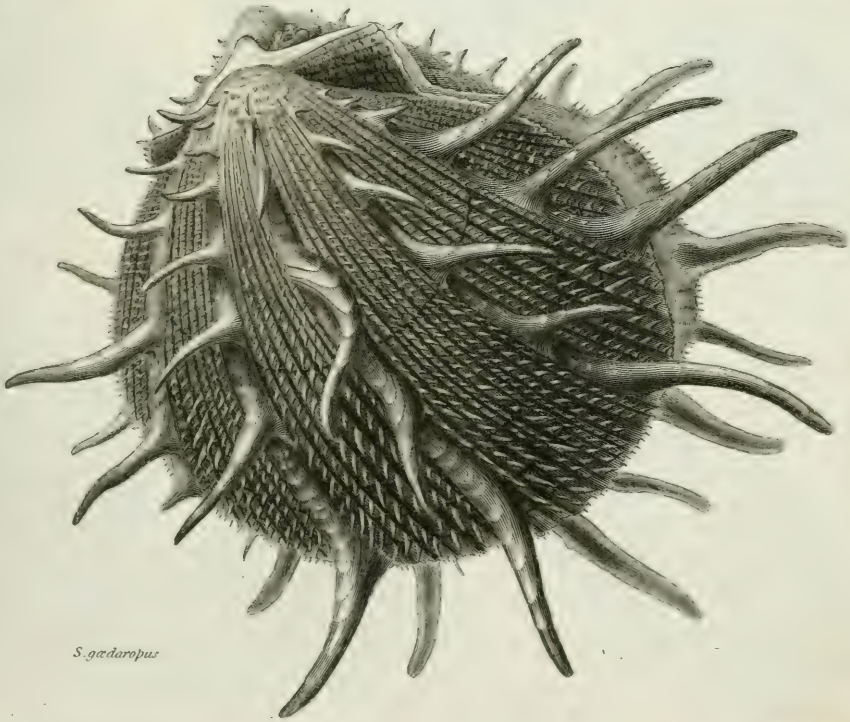
Published as the Act directs Oct^r 1.1817, by Longman Hurst Rees Orme & Brown, Paternoster Row.

Genus SPONDYLUS



S. gædaropus var.

S. gædaropus var.



S. gædaropus

Published as the Act directs Feb.1. 1814, by Longman Hurst Rees Orme & Brown Paternoster Row.

Milton sculp

Genus ARCA

A tortuosa inside

A nebulosa

A ventricosa

A ventricosa outside

A nodulosa inside

A. tortuosa

A. ventricosa

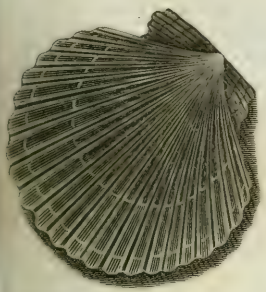
A nodulosa

Published as the Act directs, Jan.1.1814. by Longman Hurst Rees Orme & Brown Paternoster Row

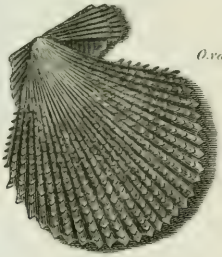
O. obsoleta

O. subrotunda

O. varia

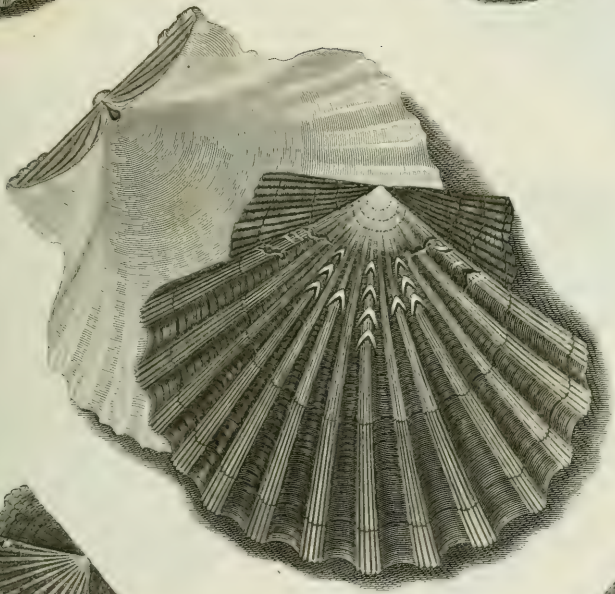


Ostrea lineata

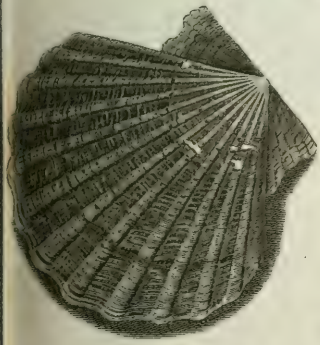


O. varia

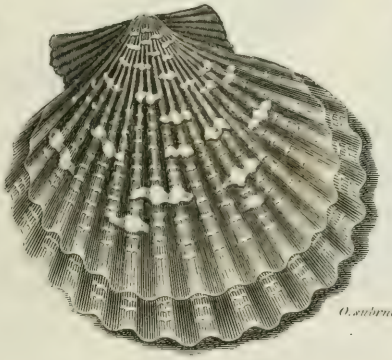
O. varia



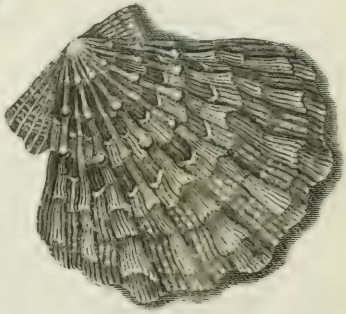
O. Jacobæa



O. obscura



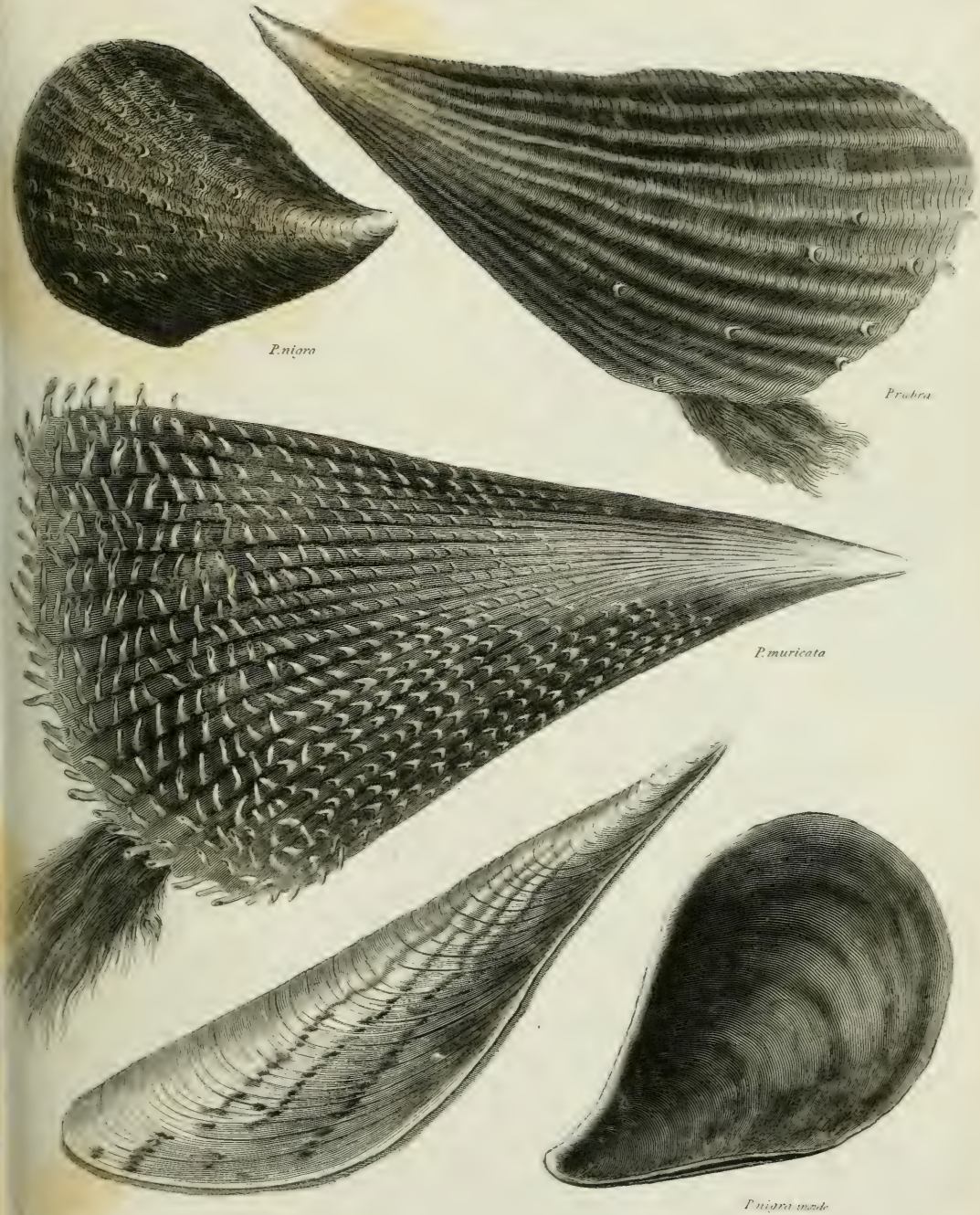
O. subrotunda



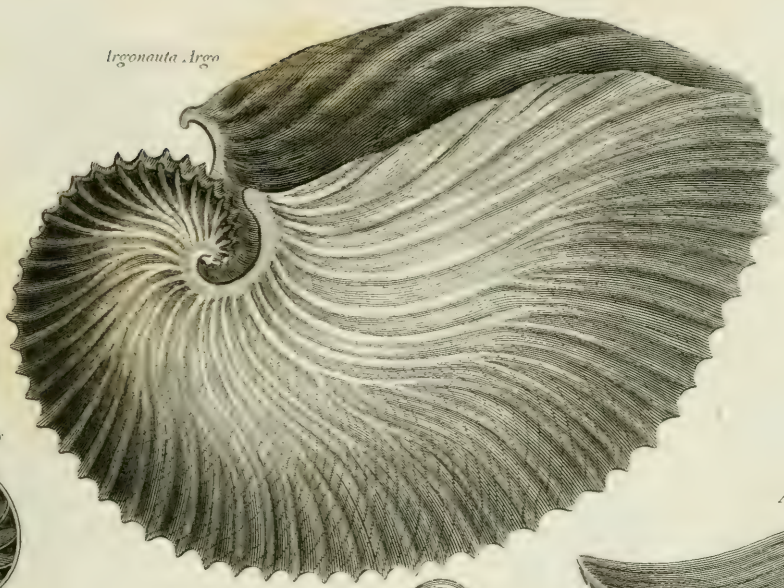
O. undata

Published as the Act directs Feb.1 1819, by Longman, Hurst, Rees & Orme, Paternoster Row.

Genus PINNA.



Published as the Act directs, Feb. 1. 1814, by Longman, Hurst, Rees, Orme & Brown, Paternoster Row



Argonauta Argo

Section of Nautilus

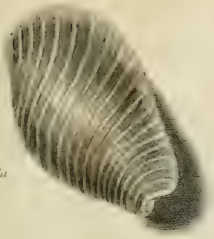
Argonauta Vitreus

Nautilus Pompilius

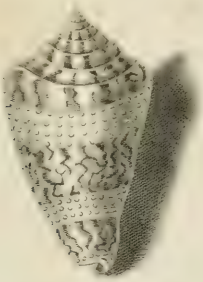
Nautilus Pompilius

Published as the Act directs Nov.1.1804. by Longman, Hurst, Rees & Orme, Paternoster Row.

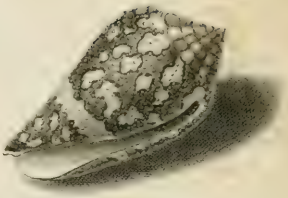
GENUS *BULLA*–G.*CONUS*– G.*TURBO*–G.*HELIX*–G.*NERITA*.



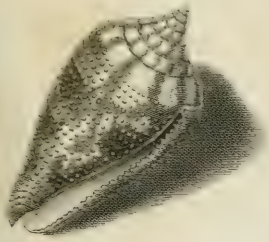
B.lignaria



C.Ammiralis var
Banded Cedo nulli Cone

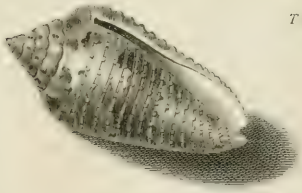


C.Ammiralis var
Selas C.n.C

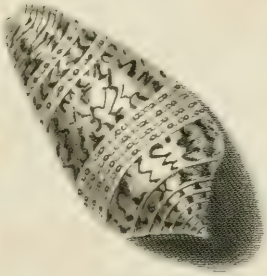


C.Ammiralis var
Curacao C.n.C.

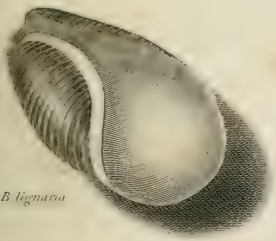
T trilineatus



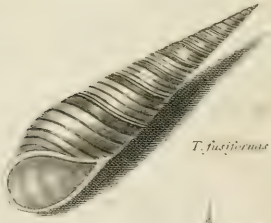
C.Ammiralis var
Southern C.n.C



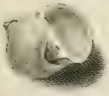
C.Ammiralis var
Marbled C.n.C



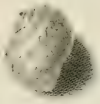
B.lignaria

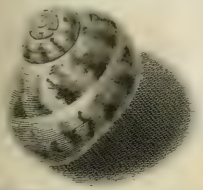


T.fusiformis

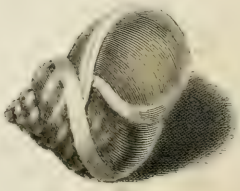


N.carena





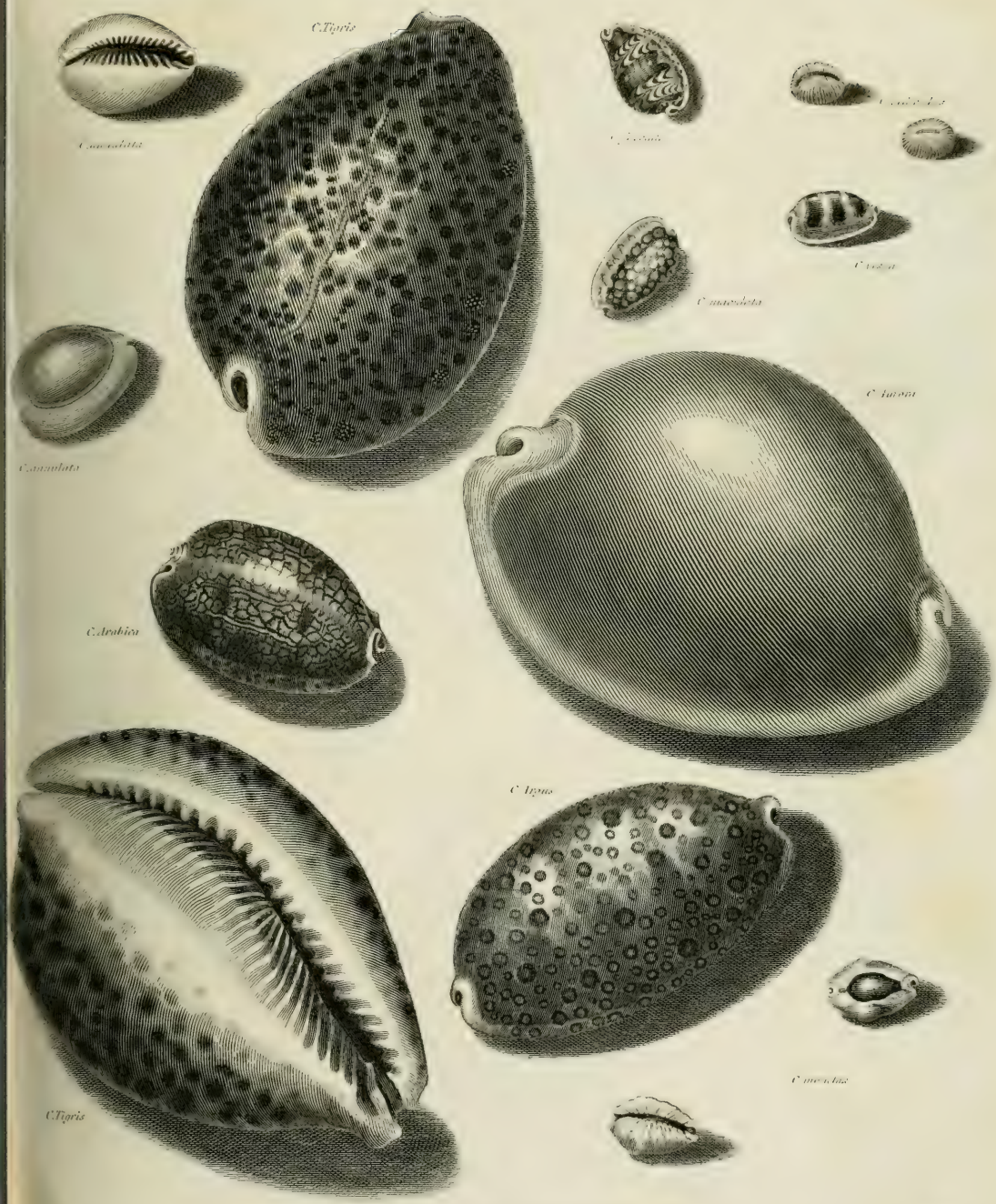
H.hortensis



H.hortensis

Published as the Act directs Dec.1.1827 by Longman Hurst Rees Orme & Brown Paternoster Row.

Milton sculp.


C.Tigris
C.Arabica
C.Tigris

CONCHOLOGY

Order Volutæ.

Indica

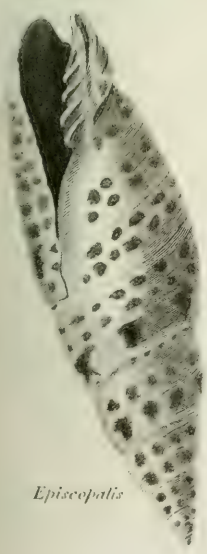
Papalis

Papalis

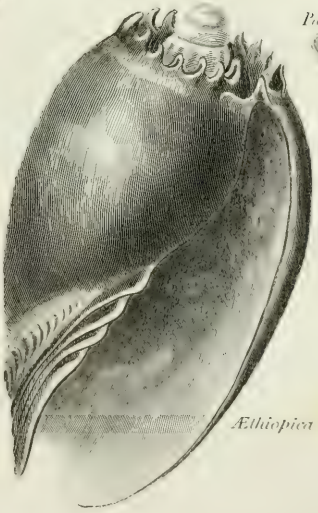
Oliva

Tornatilis

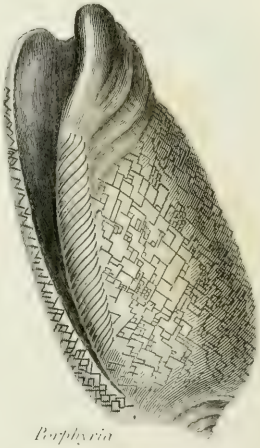
Pallida



Episcopalis



Æthiopica



Porphyria

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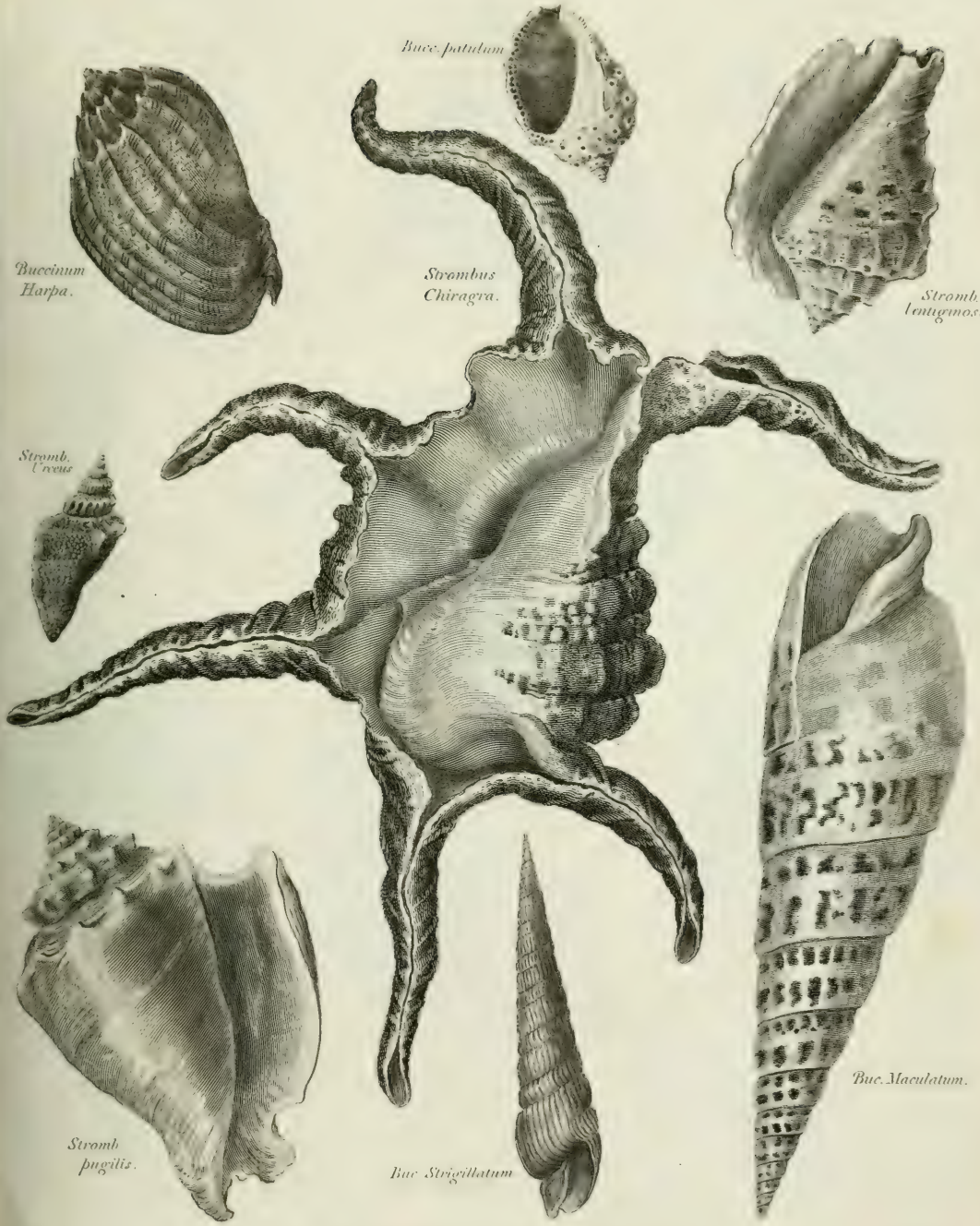
Order Volutæ



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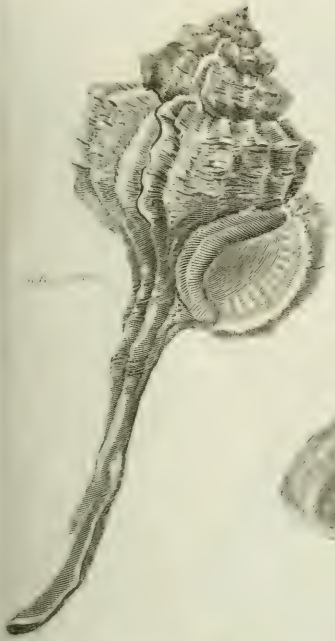
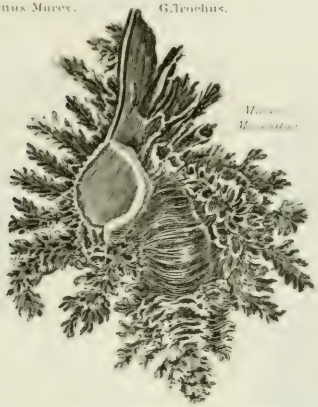
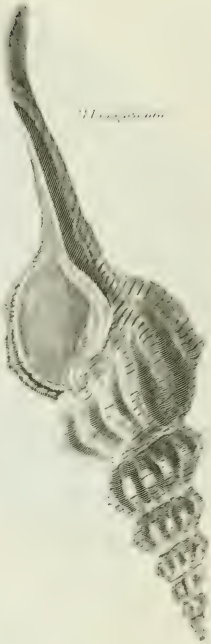
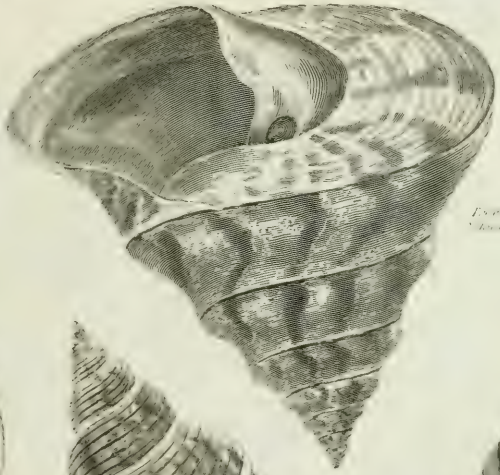
ORDER UNIVALVE.

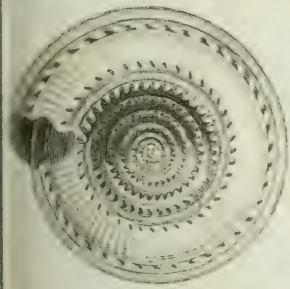
Genus Murex. G.Trochus.

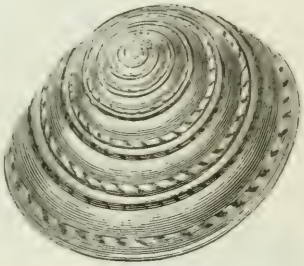


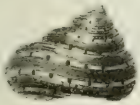


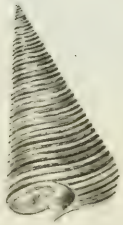




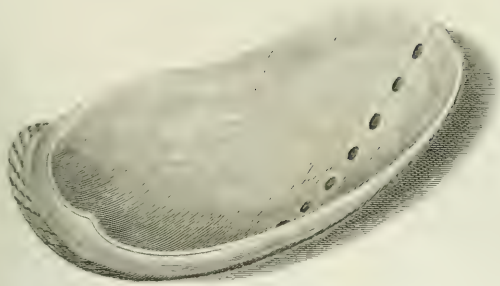




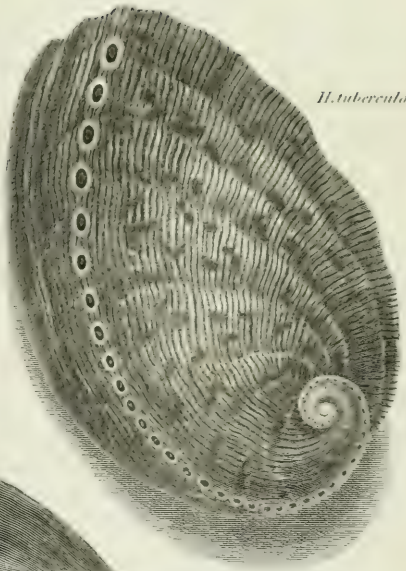




Published as the Act directs, Oct.1st 1815, by Longman Hurst, Rees & Orme.



H. Asinum

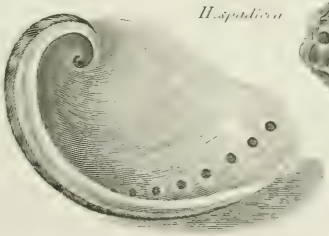


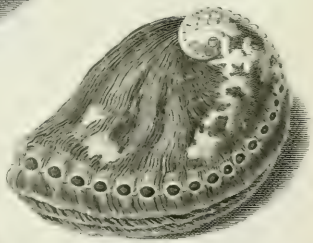
H. tuberculata

H. laevigata

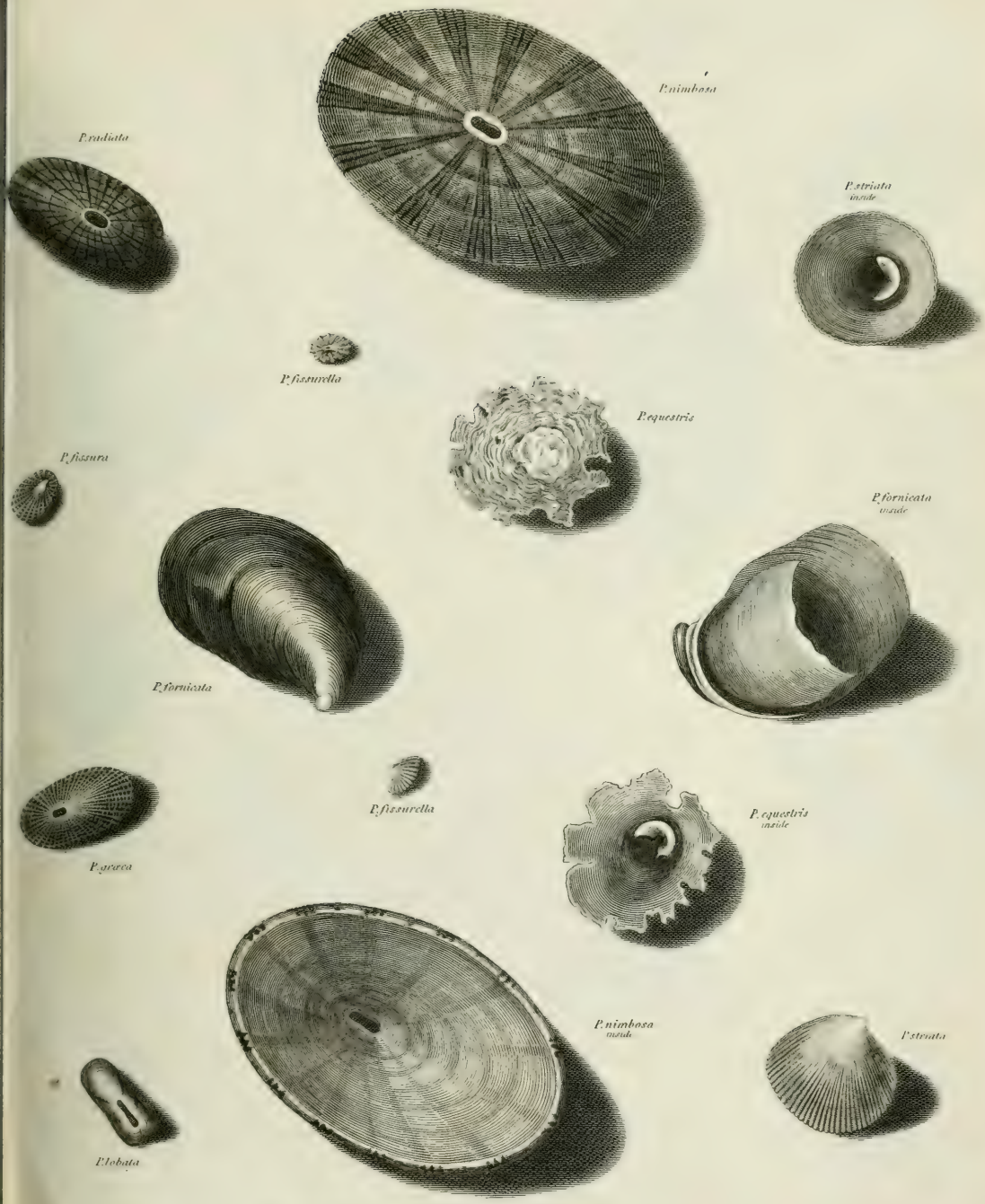
H. Asinum

H. spadicea





Published as the Act directs, Nov.1st 1808, by Longman, Hurst, Rees & Orme, Paternoster Row.



Published as the Act directs. March 1st 1810 by Longman Hurst, Rees, Orme & Brown, Paternoster Row.

Milton

GENUS *PATELLA*

P.sagittata

P.virgata

P.auricula

P.vulgata var.

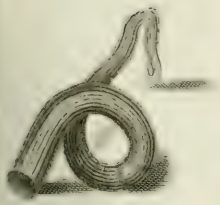
P.anatina

P.auricula

P.auricula

P.striata

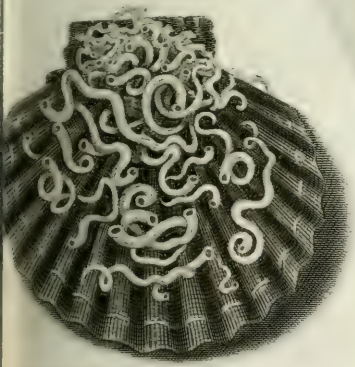
Published as the Act directs Oct.1.1819 by Longman Hurst Rees Orme & Brown Paternoster Row.

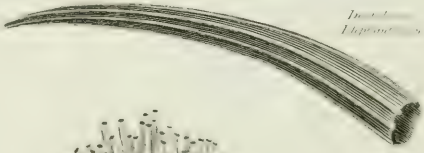


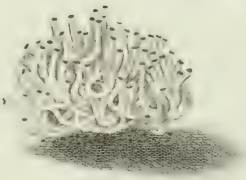
S. reticulata

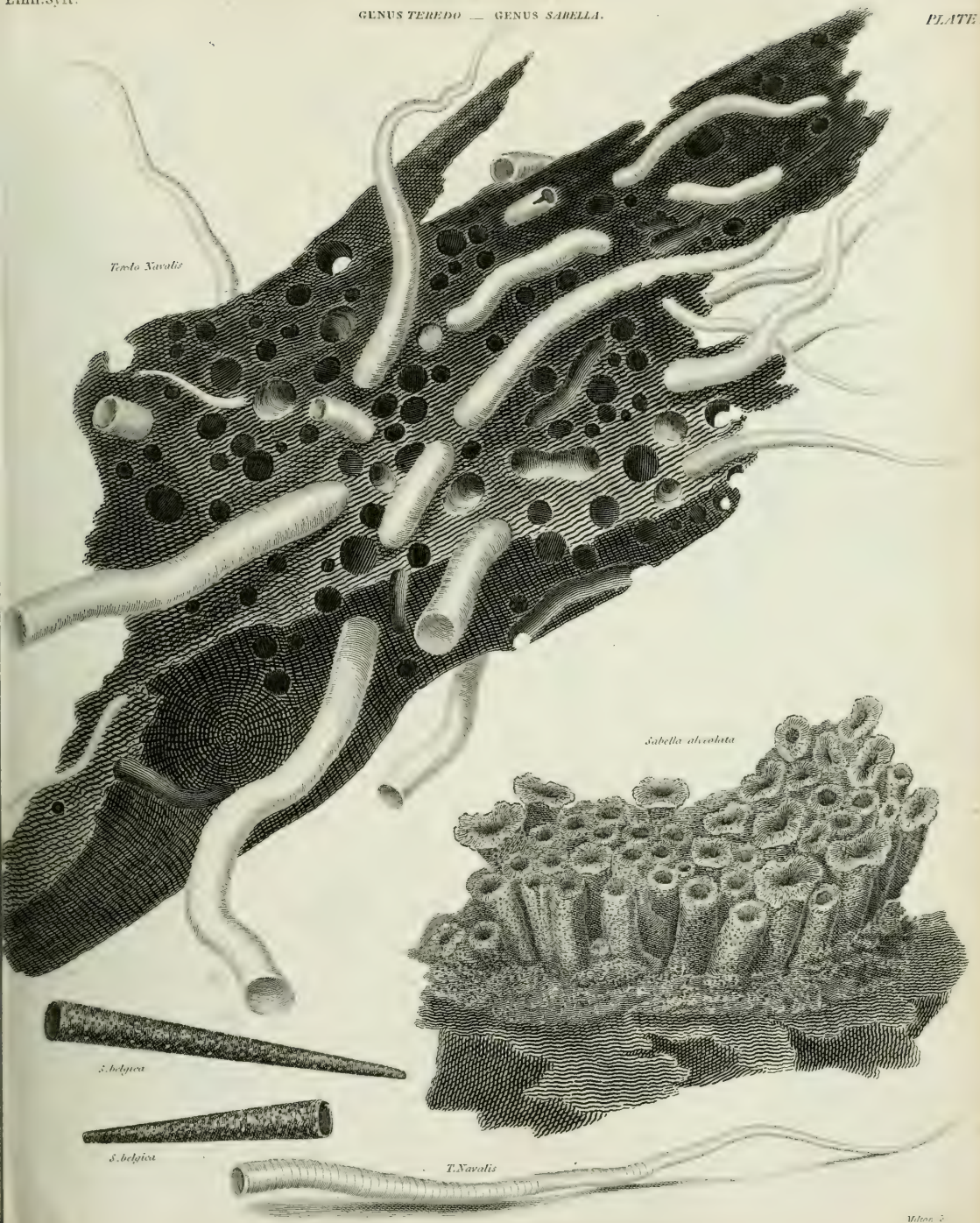
S. tortuosa

Serpula penis

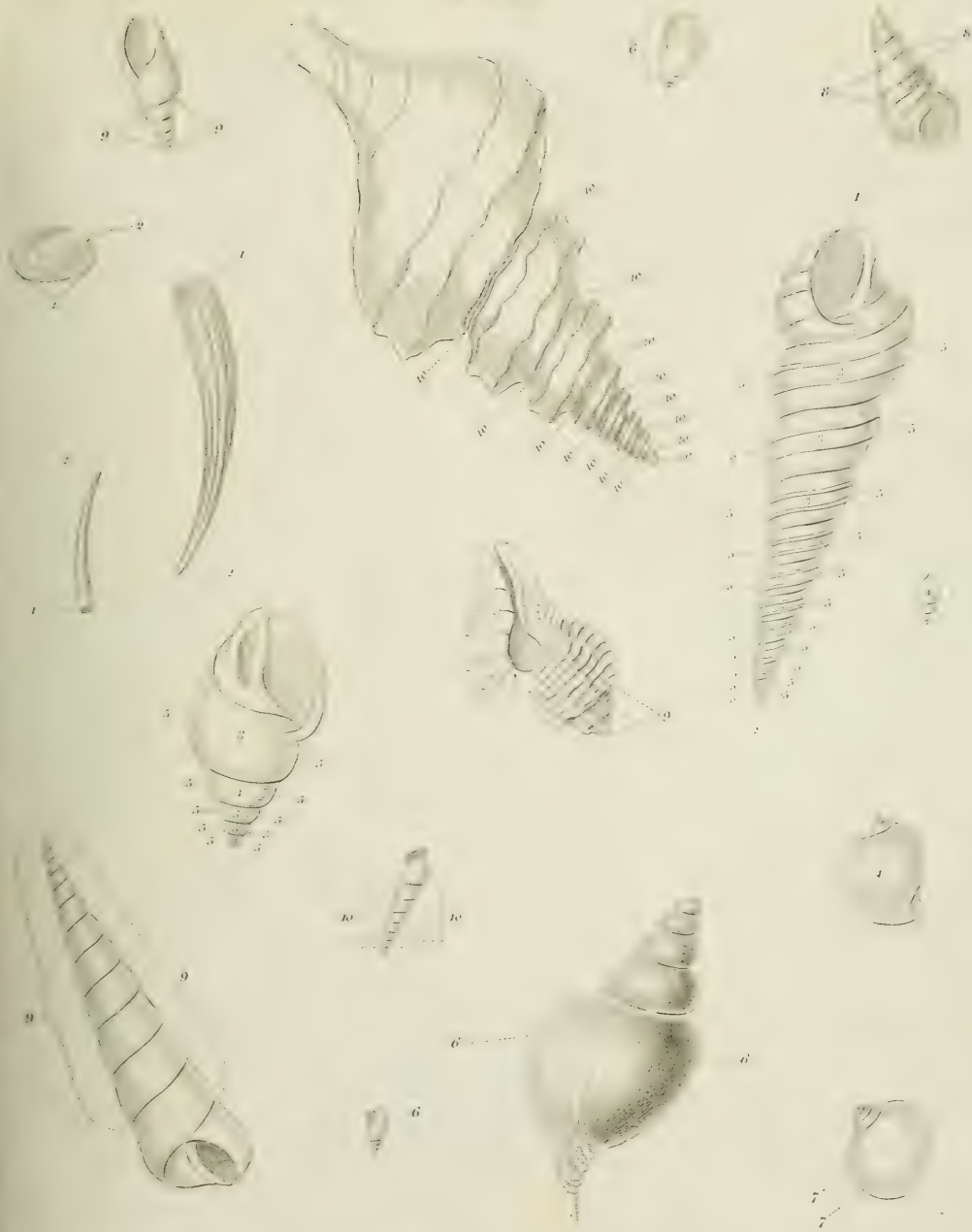






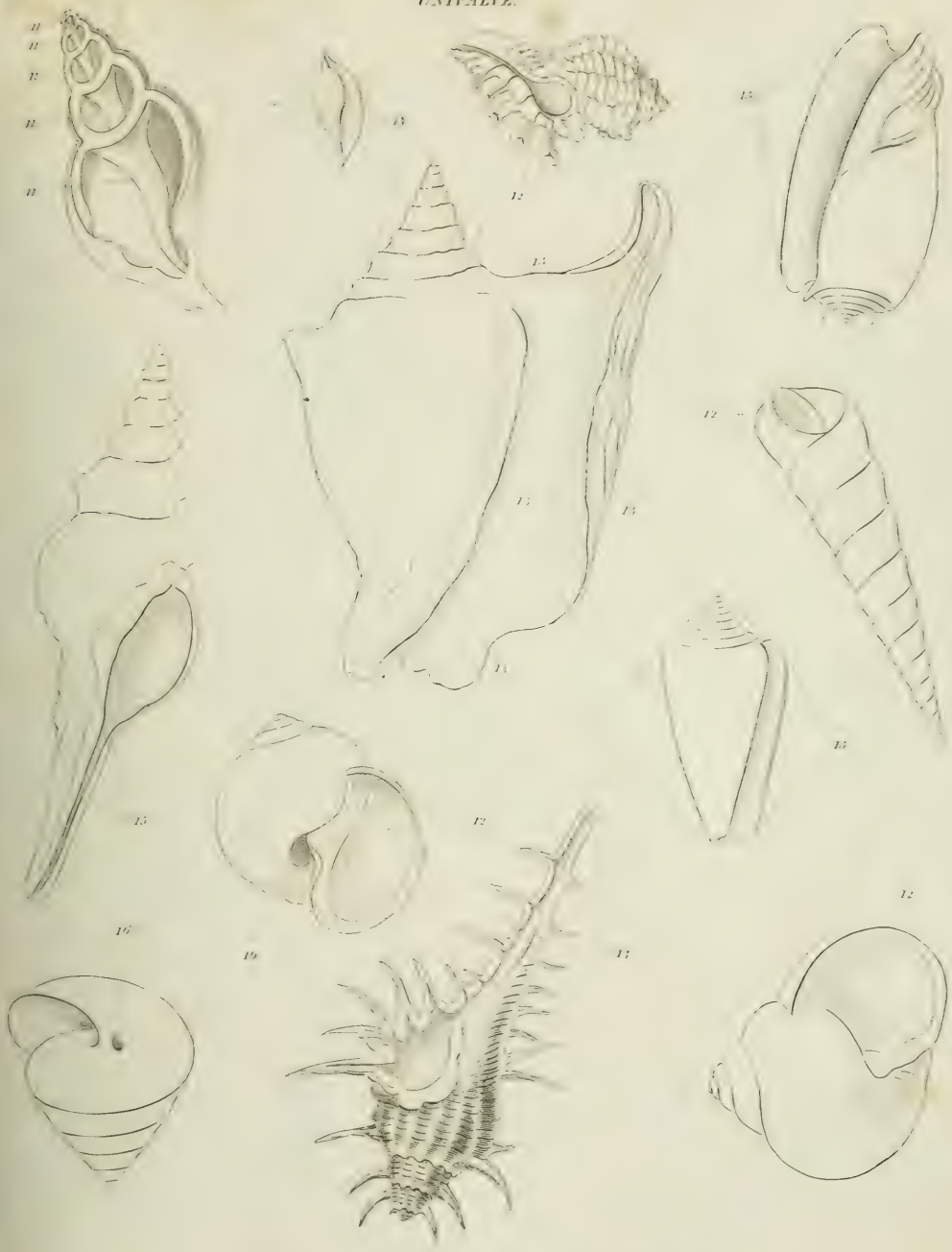


Published as the Act directs May 1st 1808, by Longman, Hurst, Rees & Orme, Paternoster Row.



1.Base. 2.Apex. 3.Front. 4.Back. 5.Sides. 6.Body. 7.Belly. 8.Whorl. 9.Spire. 10.Suture of the Spire or Whorl.

Published as the Act directs Oct.r 1st 1810. by Longman Hurst Rees Orme & Brown, Paternoster Row.

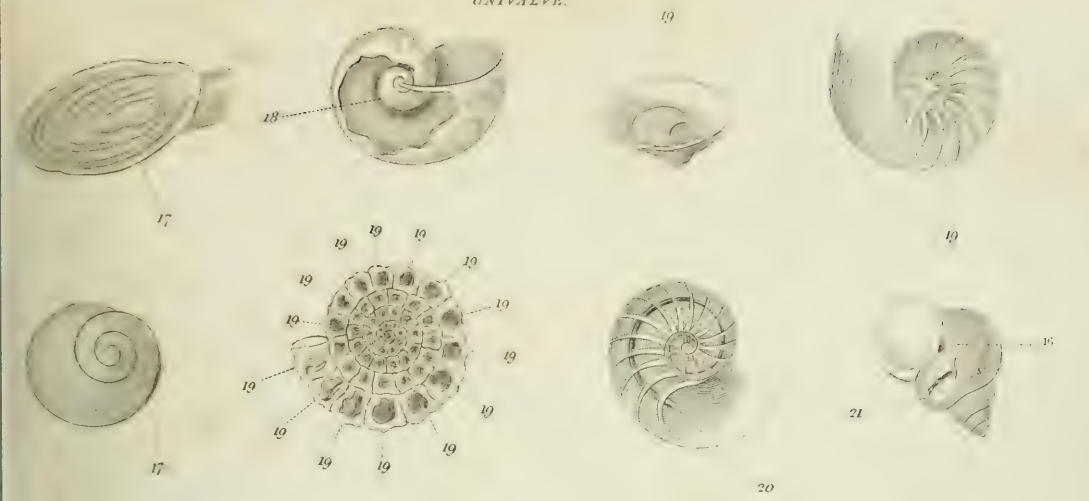


11 Pillar or Columella. 12 Aperture. 13 Lip. 14 Beak. 15 Canal. 16 Umbilicus.

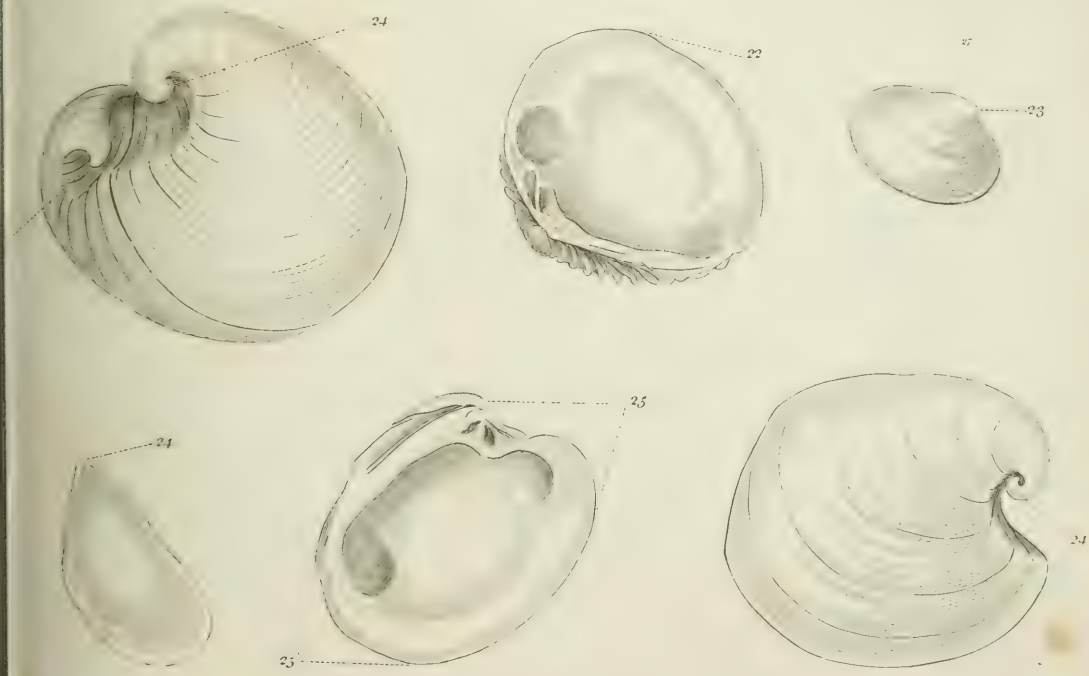
Published as the Act directs Jan 1st 1830 by Longman, Hurst, Rees & Orme, Paternoster Row, London.

Elementary.

UNIVALVE.



BIVALVES

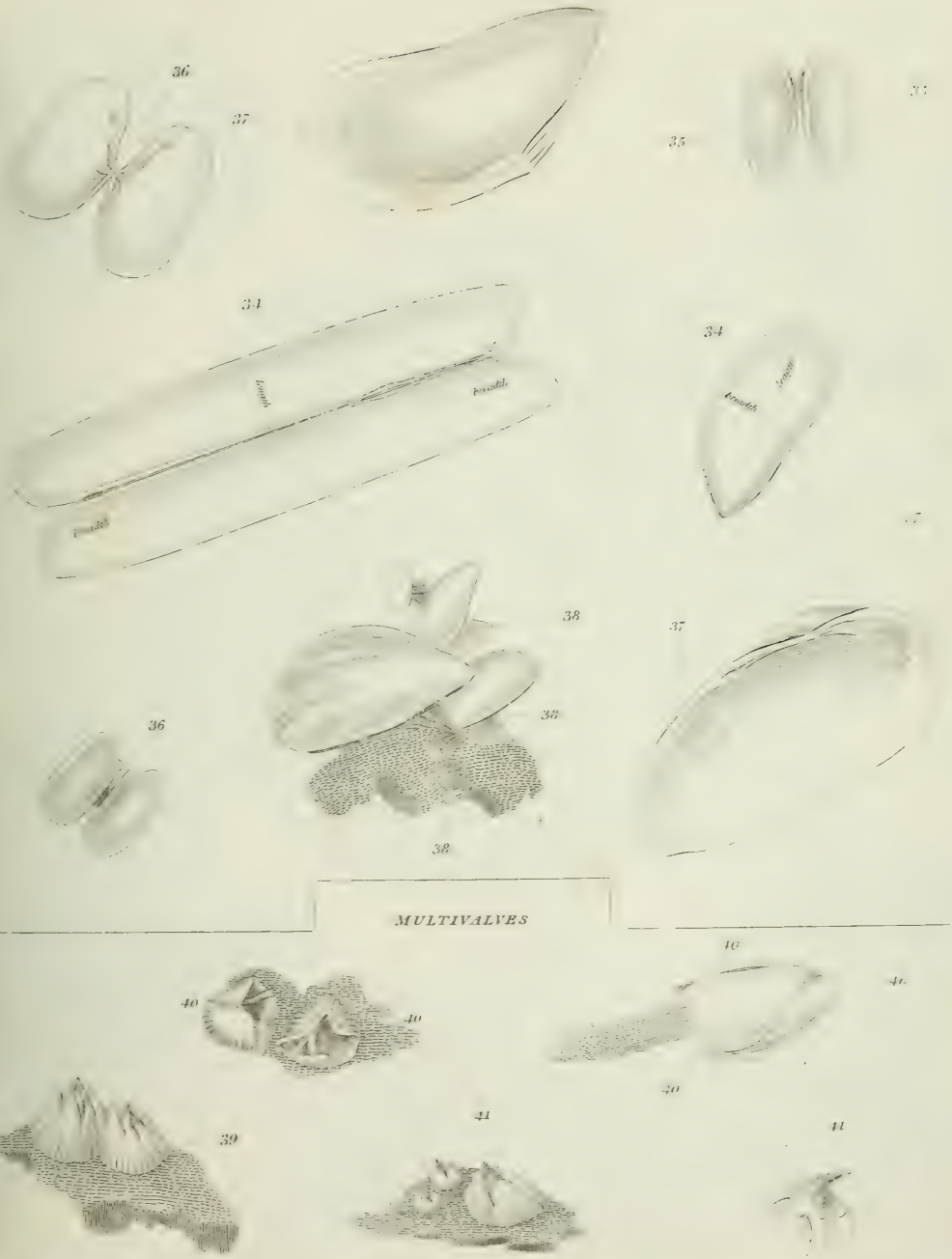


17. Operculum. 18. Involuted Spire. 19. Chambers. 20. Siphunculus. 21. Epidermis. 22. Base. 23. Summit. 24. Beak. 25. Sides.

Published as the Act directs March 1st 1810 by Longman Hurst Rees & Orme Paternoster Row.

26.Margin *or* Limb–27.Disk–28.Anterior Slope–29.Posterior Slope–30.Lunule *a.b.*–31.Cartilage–32.Ears.–33.Ligament perforation.

Published as the Act directs March 1st 1816 by Longman Hurst Rees & Orme, Paternoster Row.

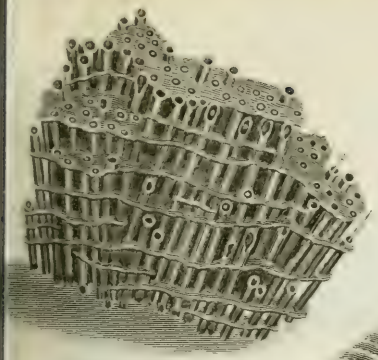


34 Length and Breadth – 35 Inside – 36 Hinge – 37 Cicatrix – 38 Byssus – 39 Base – 40 Ligament – 41 Operculum.

Published as the Act directs Jan.ʸ 1ˢᵗ 1810, by Longman Hurst Rees & Orme Paternoster Row.

ZOOPHYTES.

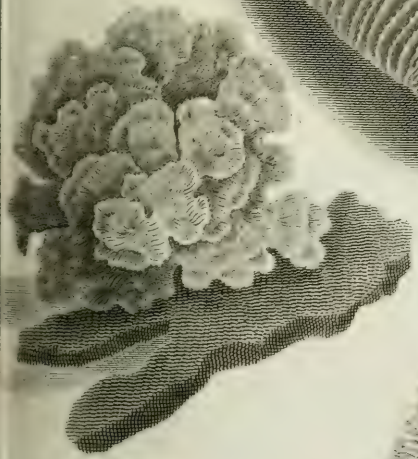
GENUS *TUBIPORA*—*G. MADREPORA.*



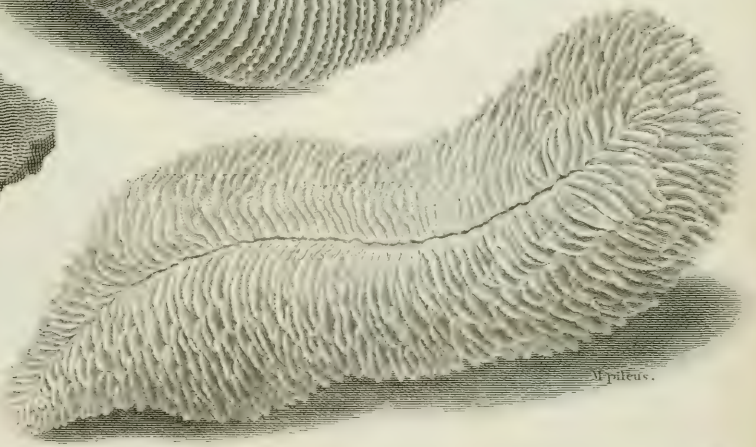
Tubipora musica.

M. fungites.

Madrepora Agathus.



M. foliaceus.

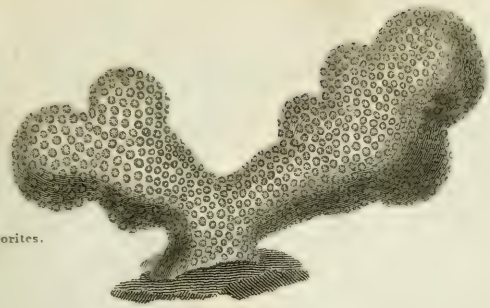


M. pileus.

Published as the Act directs Oct. 1 1805, by Longman Hurst Rees & Orme, Paternoster Row.

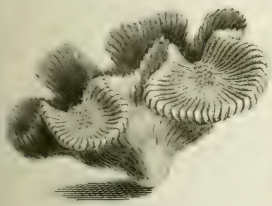
ZOOPHYTES.

GENUS *MADREPORA*.

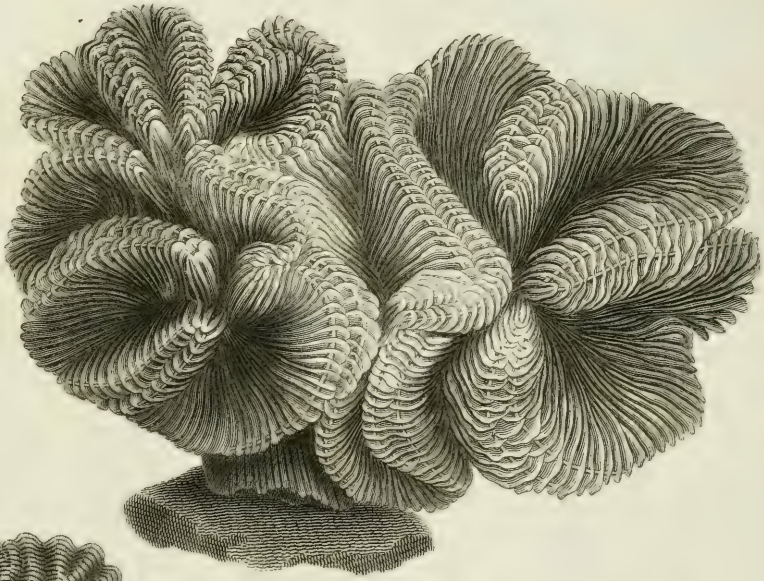


M.porites.

M.ananas.

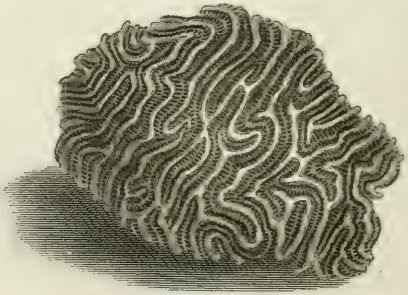


M.areolata.



Madrepora
gyrosa.

M.Labyrinthica.



M.phrygia.

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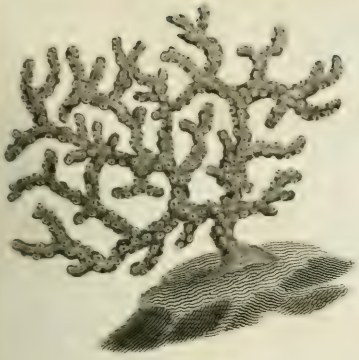
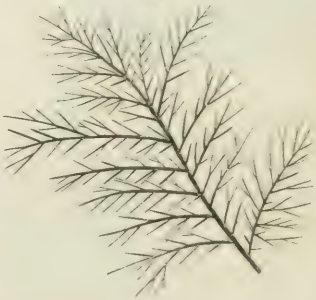


I. Coccinea.

I. Hippuris

A. Subpinnata

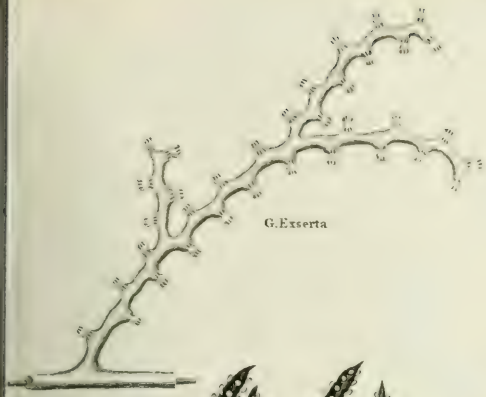


A. Myriophylla

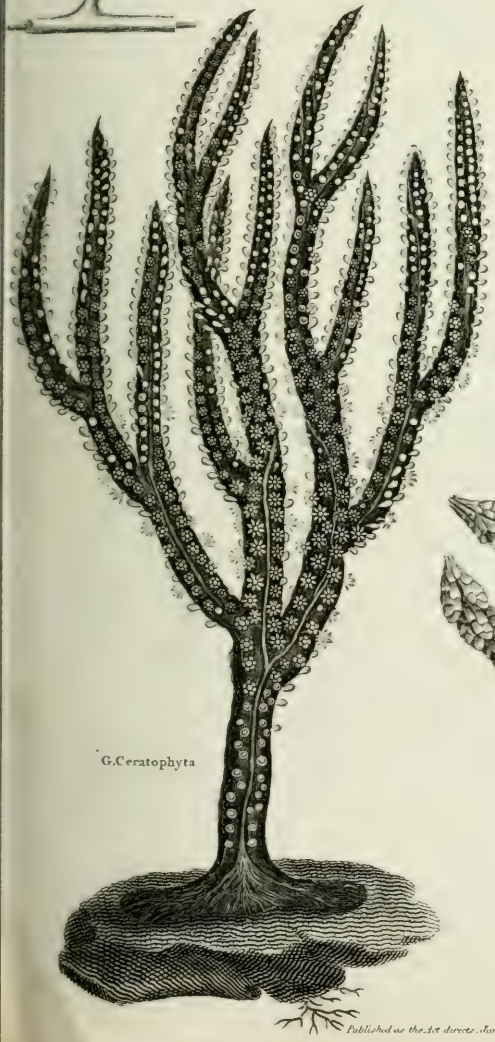
ZOOPHYTES.

GENUS *GORGONIA*.

Sea Fan

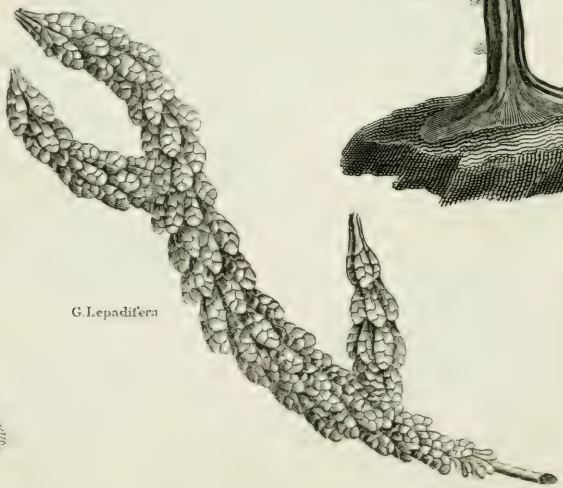


G.Exserta



G.Ceratophyta

G.Americana



G.Lepadifera

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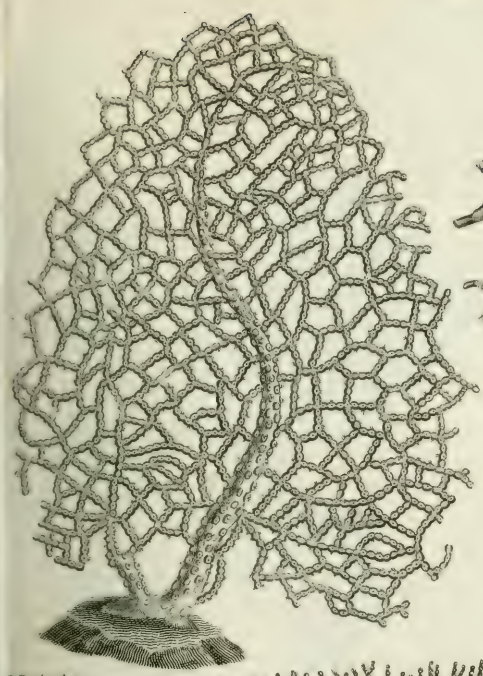
ZOOPHYTES.

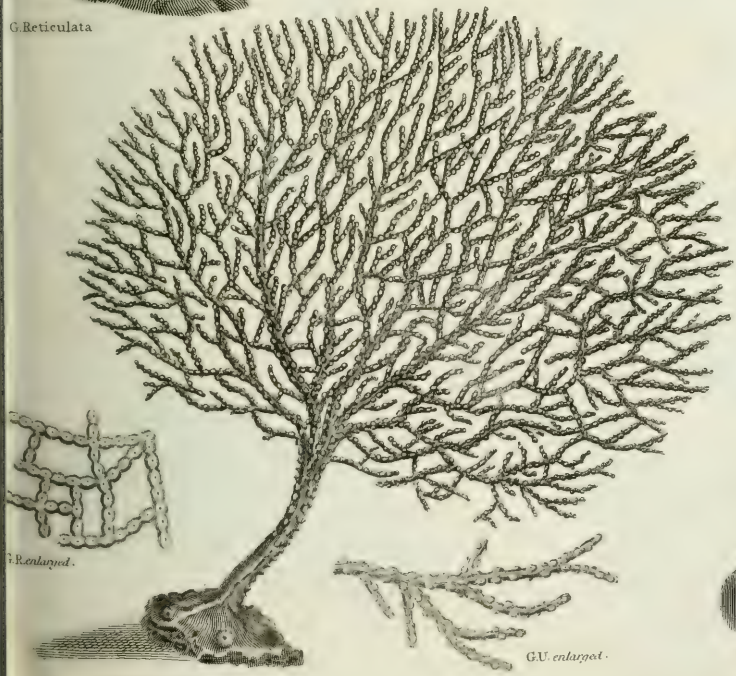
GENUS *GORGONIA.*

Sea Fan.



G. Reticulata

G. Nobilis



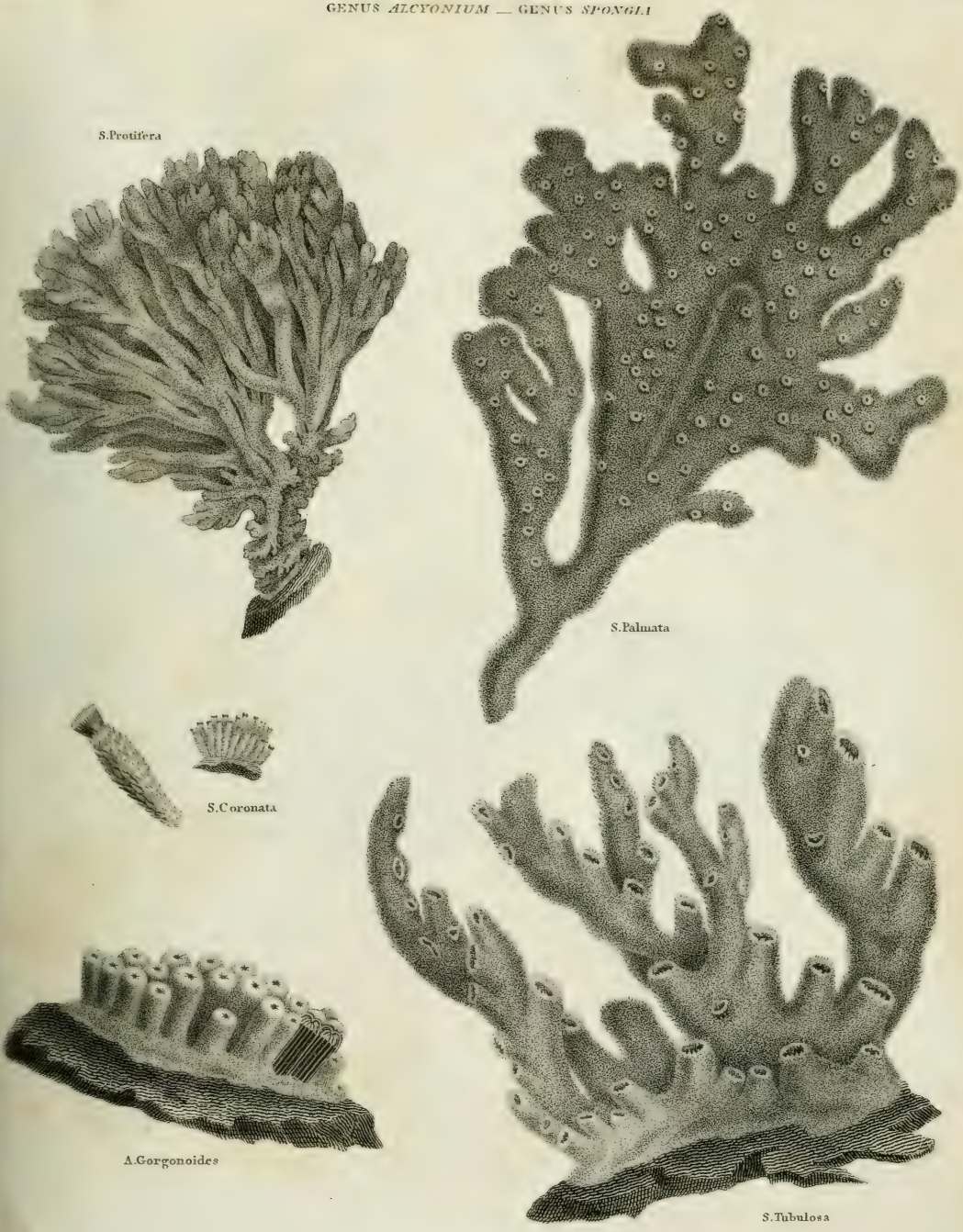
G. Umbraculum

G. R. enlarged.

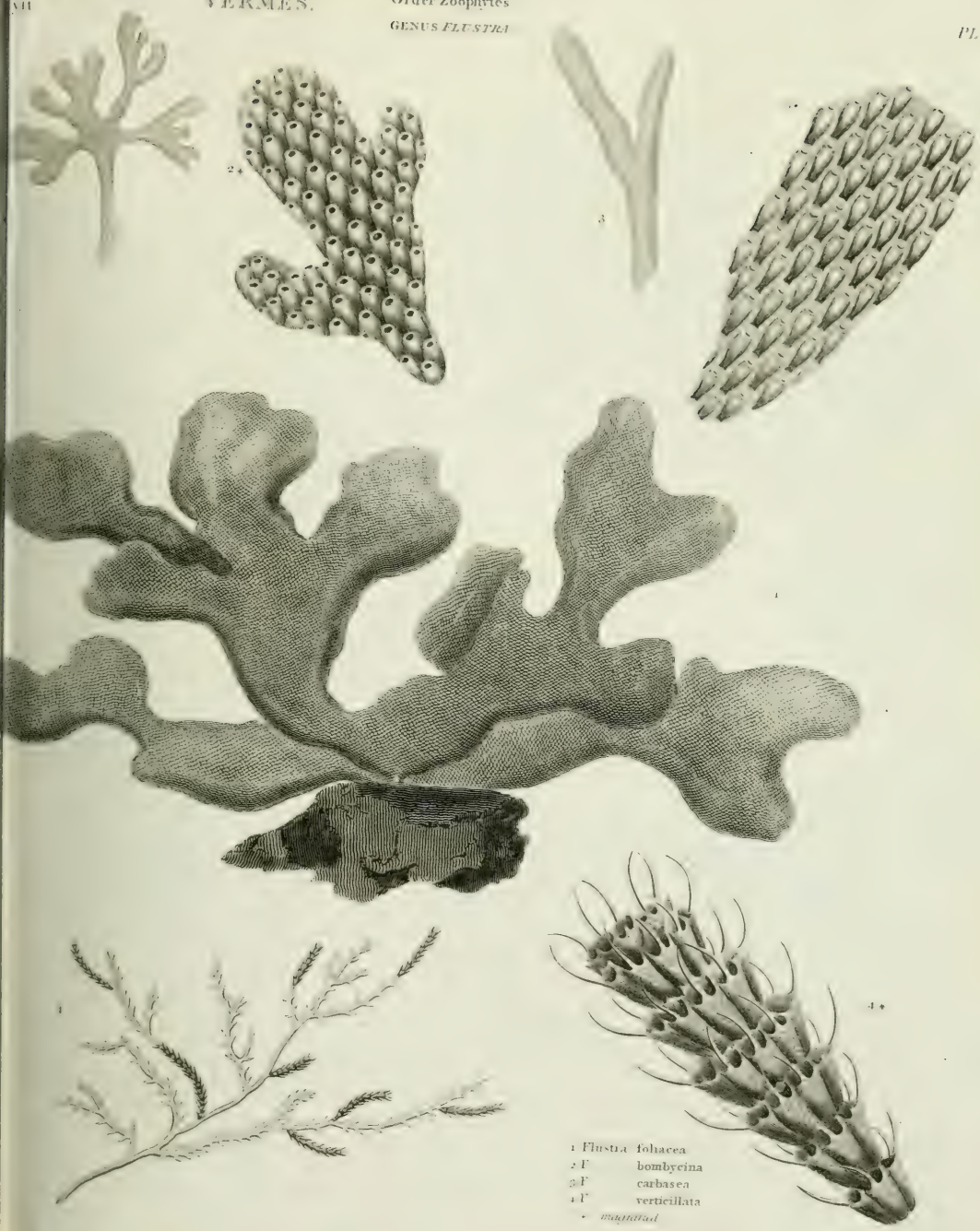
G. U. enlarged.

Part of the branch of G. Nobilis *magnified and exhibiting the Animals.*

Published as the Act directs Oct.1st 1806. by Longman Hurst, Rees & Orme Paternoster Row



Published as the Act directs Nov.1st 1808. by Longman Hurst. Rees & Orme. Paternoster Row.



1 Flustra foliacea
2 F bombycina
3 F carbasea
4 F verticillata
* magnified

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T. MAGNIFICA

(Magnificent Tubularia)

111. *The Animal in its young state – 2. full grown (front view) expanding its tentacula – 3. back view – 4. partially retracted – 5. entirely retracted.*

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ZOOPHYTES.

GENUS CORALLINA

C.Officinalis
magnified

C.incrassata

C Officinalis

C Corniculata
magnified

C.Squamata

C Opuntia

C Corniculata

C.Squamata
magnified

Published as the Act directs Dec 1 1820 by Longman Hurst Rees Orme & Brown Paternoster Row.

Milton sculp

laria frutescens
quadridentata
... junaster
fibula
Sertularia

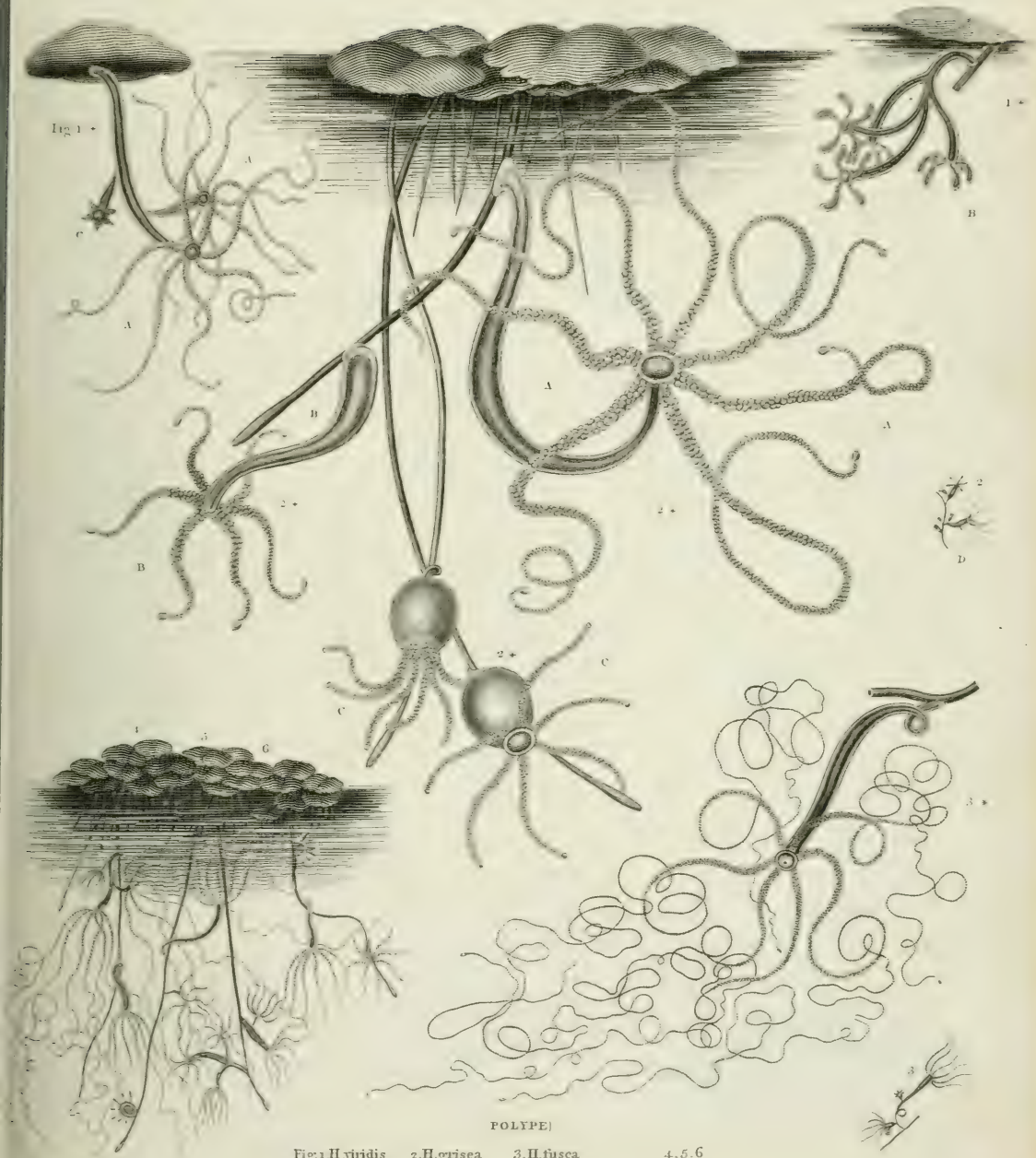
Published as the Act directs, May 1st 1813 by Longman Hurst Rees Orme & Brown, Paternoster Row.

Milton sculp

VERMES.

Order Zoophytes.

Genus *Hydra*.



POLYPE)

Fig.1.H.viridis 2.H.grisea 3.H.fusca 4.5.6

Green P. *Grey P.* *Brown P.* *Clusters of the three species, nat. size.*

* magnified. A. extended Body & tentacula. B. subretracted. C. contracted. D. young.

Milton sculp.

Published as the Act directs March 1.1814 by Longman, Hurst, Rees, Orme & Brown, Paternoster Row.

ANIMALCULES.

CLASS VERMES.

Order Infusoria.

GENUS I BRACHIONUS.

Urceolaris

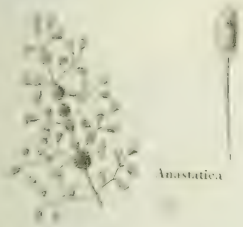
Striatus

Lipris

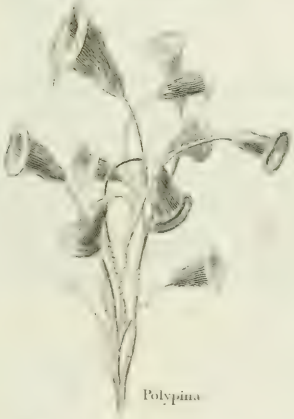
Uncinatus

Quadridentatus

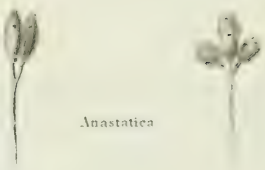
G II VORTICELLA.



Anastatica

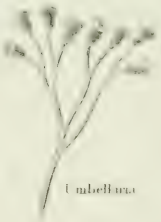


Polypina



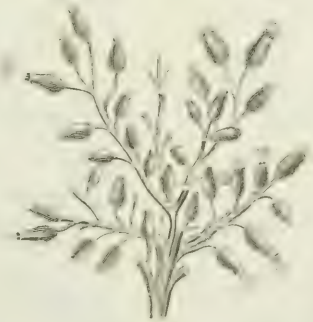
Anastatica

Pyraria



Umbellata

Digitalis



Opercularia

Nebulifera

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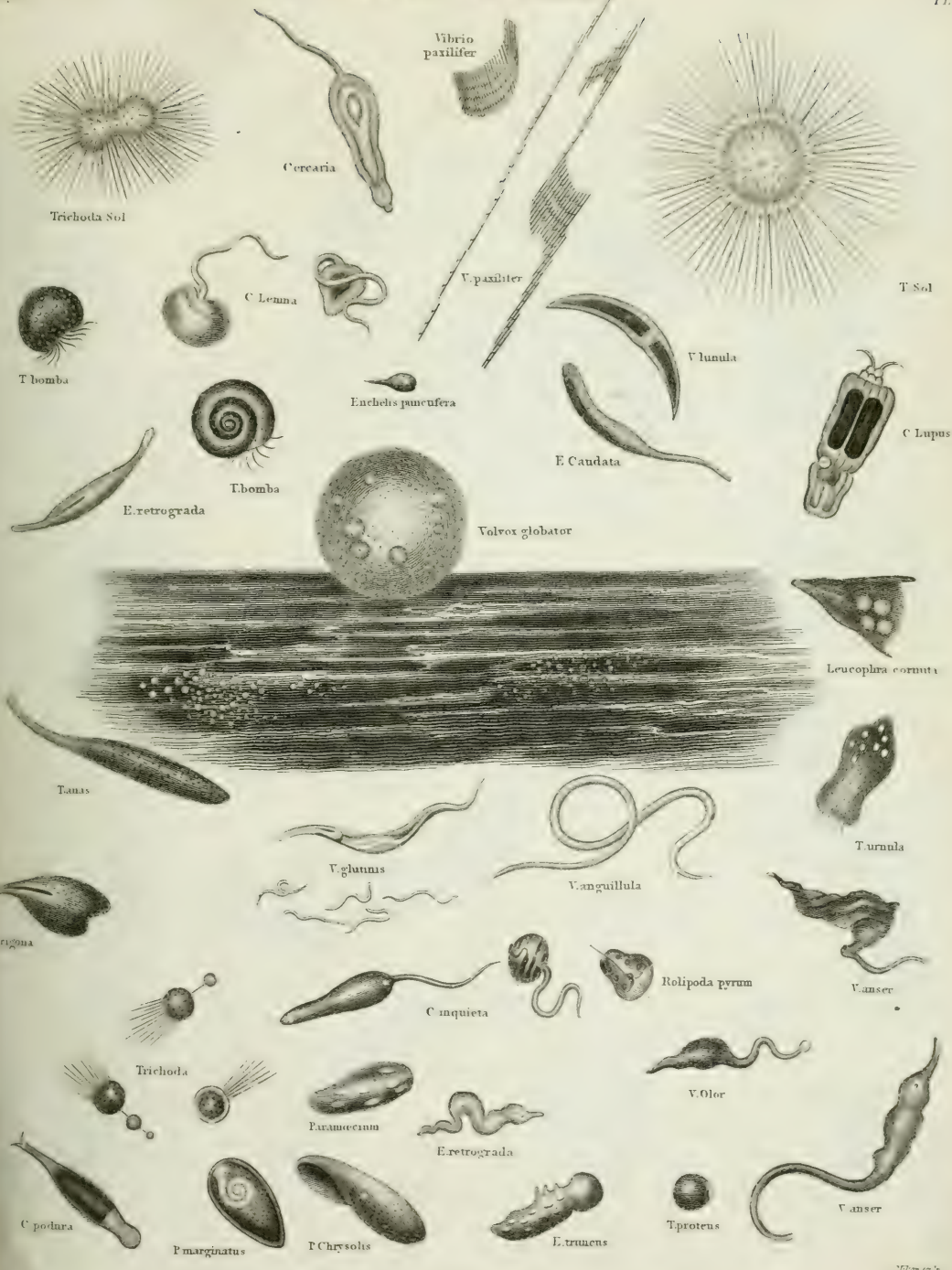

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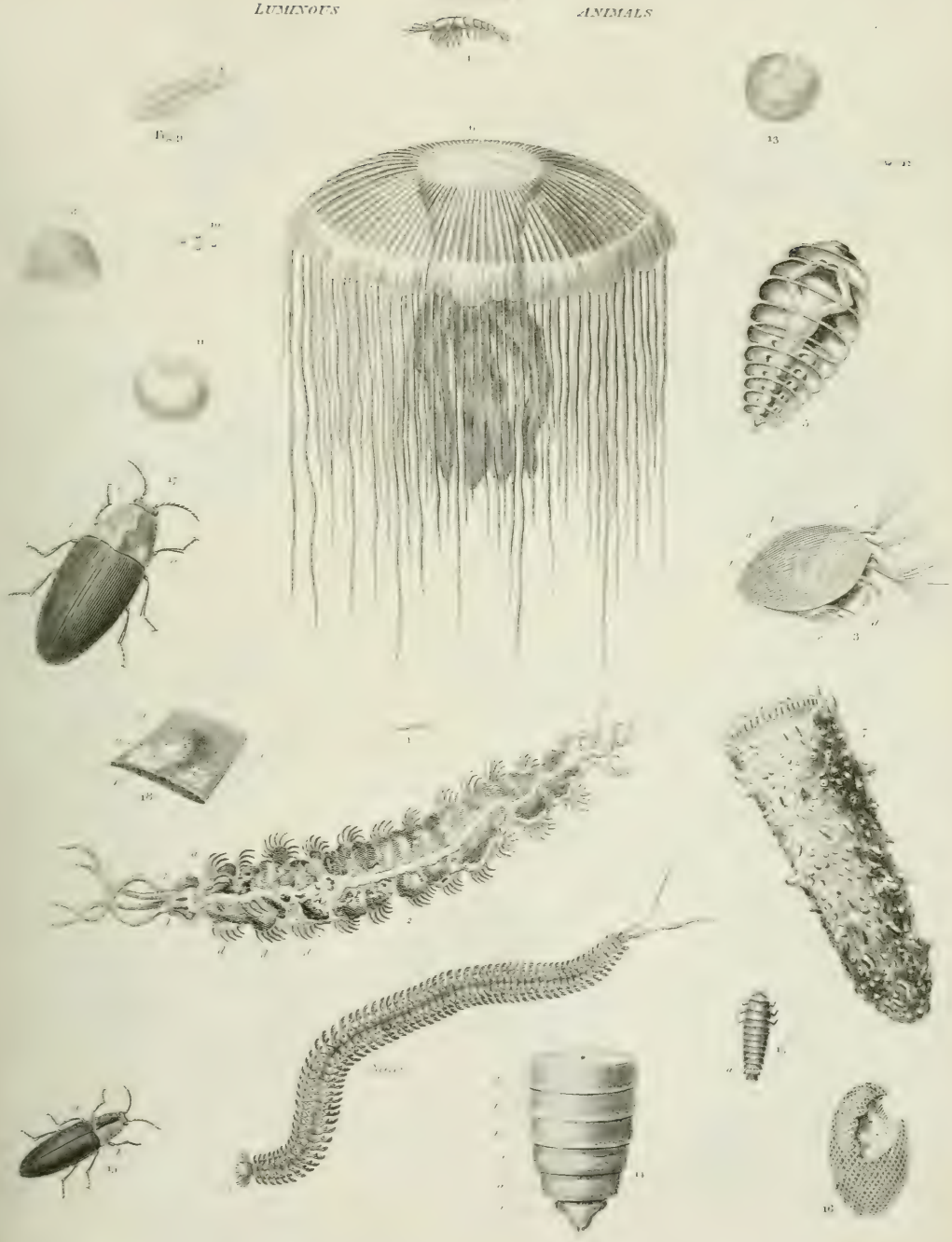
LIGHT.

LUMINOUS ANIMALS



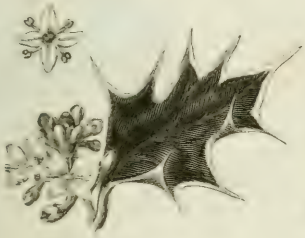
Published according to the Act directed March 1, 1820, by J. ...

Classes.

MONANDRIA

DIANDRIA

TRIANDRIA



TETRANDRIA

PENTANDRIA

HEXANDRIA

HEPTANDRIA

OCTANDRIA

ENNEANDRIA

DECANDRIA

DODECANDRIA

ICOSANDRIA

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BOTANY.

Classes.

POLYANDRIA

DIDYNAMIA

TETRADYNAMIA

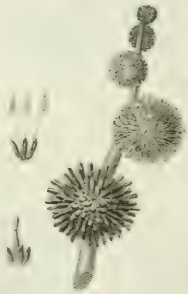
MONADELPHIA

DIADELPHIA

POLYADELPHIA

SYNGENESIA

GYNANDRIA



MONOECIA

DIOECIA

POLYGAMIA

CRYPTOGAMIA

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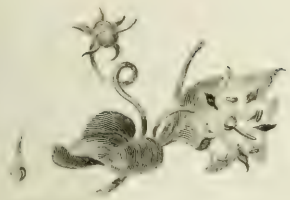
Orders.



MONOGYNIA

DIGYNIA

TRIGYNIA

TETRAGYNIA

PENTAGYNIA

HEXAGYNIA

HEPTAGYNIA

DECAGYNIA

DODECAGYNIA

POLYGAMIA

GYMNOSPERMIA

ANGIOSPERMIA

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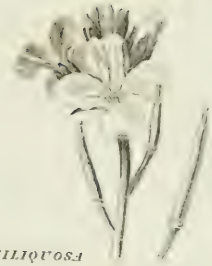
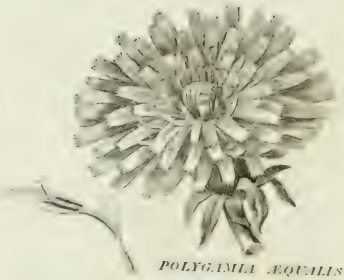
SILICULOSA



SILIQUOSA



POLYGAMIA AEQUALIS

POL.A SUPERFLUA

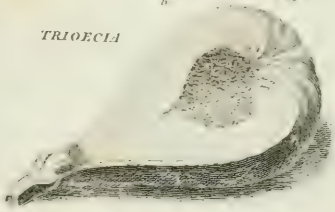
POL.A NECESSARIA

POL.A FRUSTRANEA

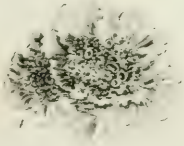
POL.A SEGREGATA

TRIOECIA

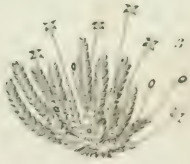
FILICES



MUSCI



ALGÆ



HEPATICÆ

FUNGI

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BOTANY.

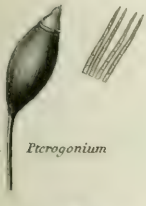
FRINGES of MOSSES.

1. Tetraphis

2 Octoblepharum

3. Splachnum

4. Encalypta



5. Ptrogonium

6 Grimmia

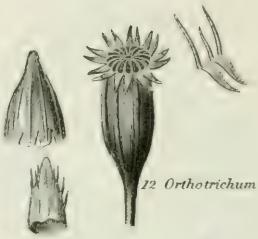
7 Conostomum

8 Dicranum

9 Trichostomum

10. Tortula

11 Syntrichium



12 Orthotrichum

13 Neckera

14 Funaria

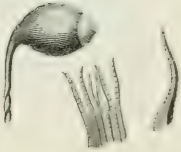
15 Buxbaumia

16 B foliosa

17 Bartramia

18 Mnium

19 Bryum



20 Hypnum

21 Fontinalis

22 Polytrichum

23 Polytrichum

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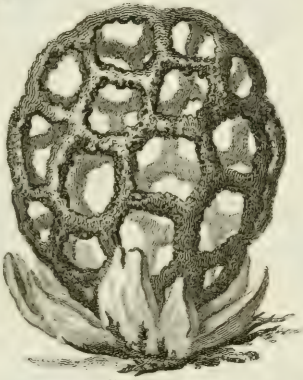
Milton sculp

AGARIC

BOLETUS

HYDNUM

PHALLUS



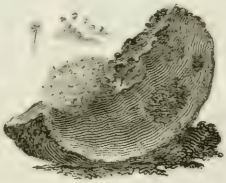
CLATHRUS

HELVELLA

PEZIZA

CLAVARIA

LYCOPERDON



MUCOR

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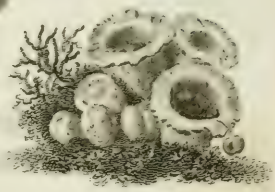
Fungi.

MERULIUS eburneus.

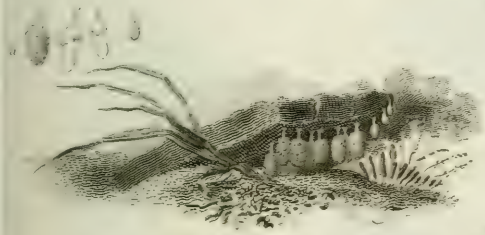
AURICULARIA reflexa.



NIDULARIA campanulata.

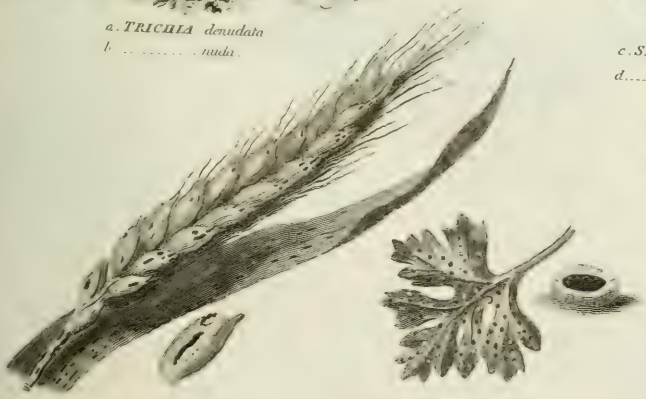
TUBER cibarium.

CYATHUS minutus.



a. TRICHIA denudata
b. ..... nuda.

c. SPILÆRIA digitata.
d. ..... bombardica.



UREDO sepium

ÆCIDIUM anemones.

RHIZOMORPHA phosphorea.

Published as the Act directs Sept. 6

Class I. BELL SHAPED.

Class II FUNNEL SHAPED

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Class II. FUNNEL SHAPED Continued

Fig. 1

Class III PERSONATE

Fig. 1

Class IV LABIATE

Fig. 1

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Class V. CRUCIFORM.

Fig 1.

Class VI. ROSACEOUS.

Fig 1

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Class VII UMBELLATE.

Class VIII. CARYOPHYLLOUS

Class IX. LILIACEOUS

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Class X PAPILIONACEOUS.

Fig. 1.

Fig. 2.

Fig. 3.

Class XI ANOMALOUS.

Fig. 1.

Fig. 2.

Fig. 3.

Class XII CONSOCIOUS.

Fig. 1.

Fig. 2.

Fig. 3.

Class XIII SEMICONSOCIOUS.

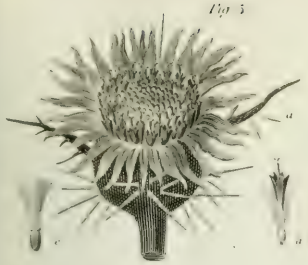
Fig. 1.

Fig. 2.

Published as the Act directs by J. Cooke, Jun.

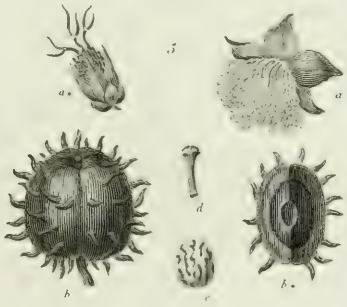
Class XIV RADIATE.

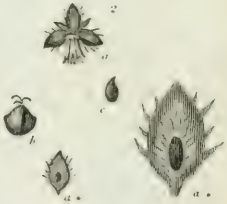
Fig. 5



Class XV APETALOUS STAMINIFEROUS.

Fig. 1.





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Milton sculp.

Fig 1

Class XVII APETALOUS WITHOUT APPARENT FRUIT

Fig 1

TREES & SHRUBS.

Class XVIII APETALOUS.

Fig 1.

Class XIX AMENTACEOUS

Fig 1

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Class XX MONOPETALOUS

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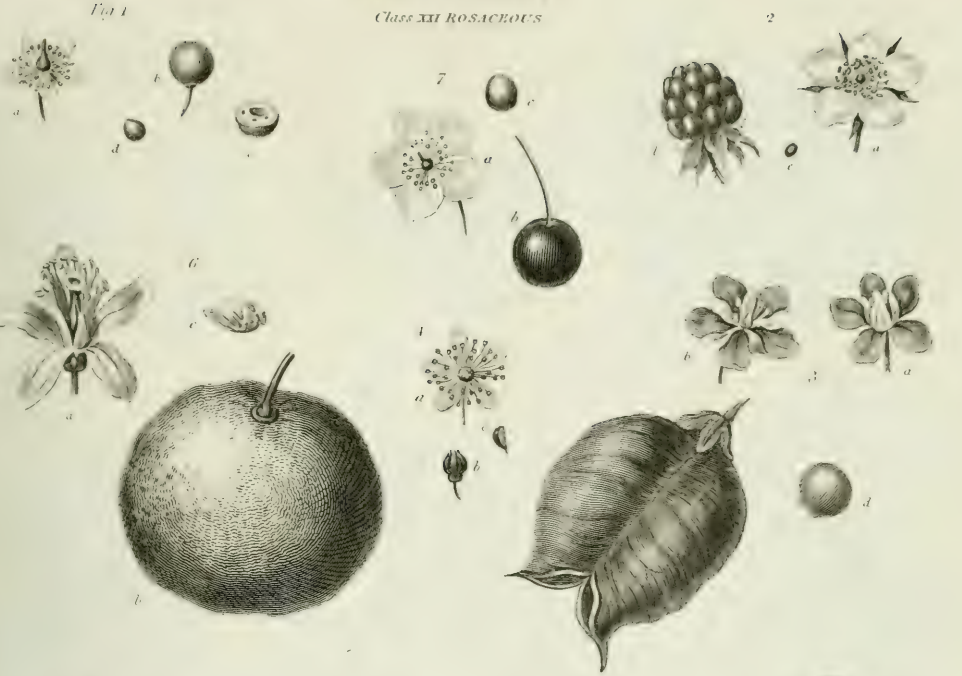
BOTANY.

TREES and SHRUBS

Class XII ROSACEOUS



Class XVII PAPILIONACEOUS

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Bark.

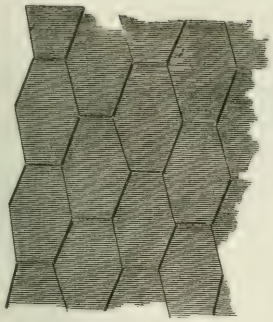


FIG. 2.

FIG. 11.

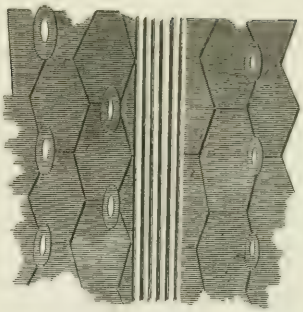


FIG. 3.

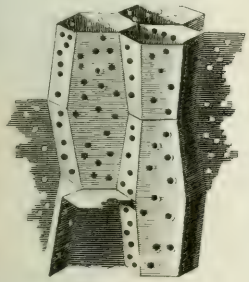


FIG. 5.

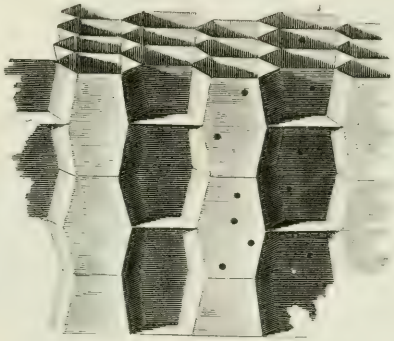


FIG. 4

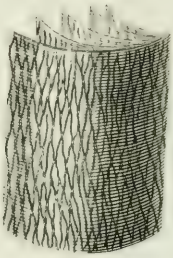


FIG. 7.

FIG. 9.

FIG. 6

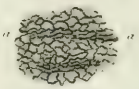


FIG 1.

FIG. 10.

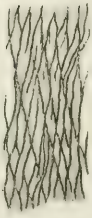
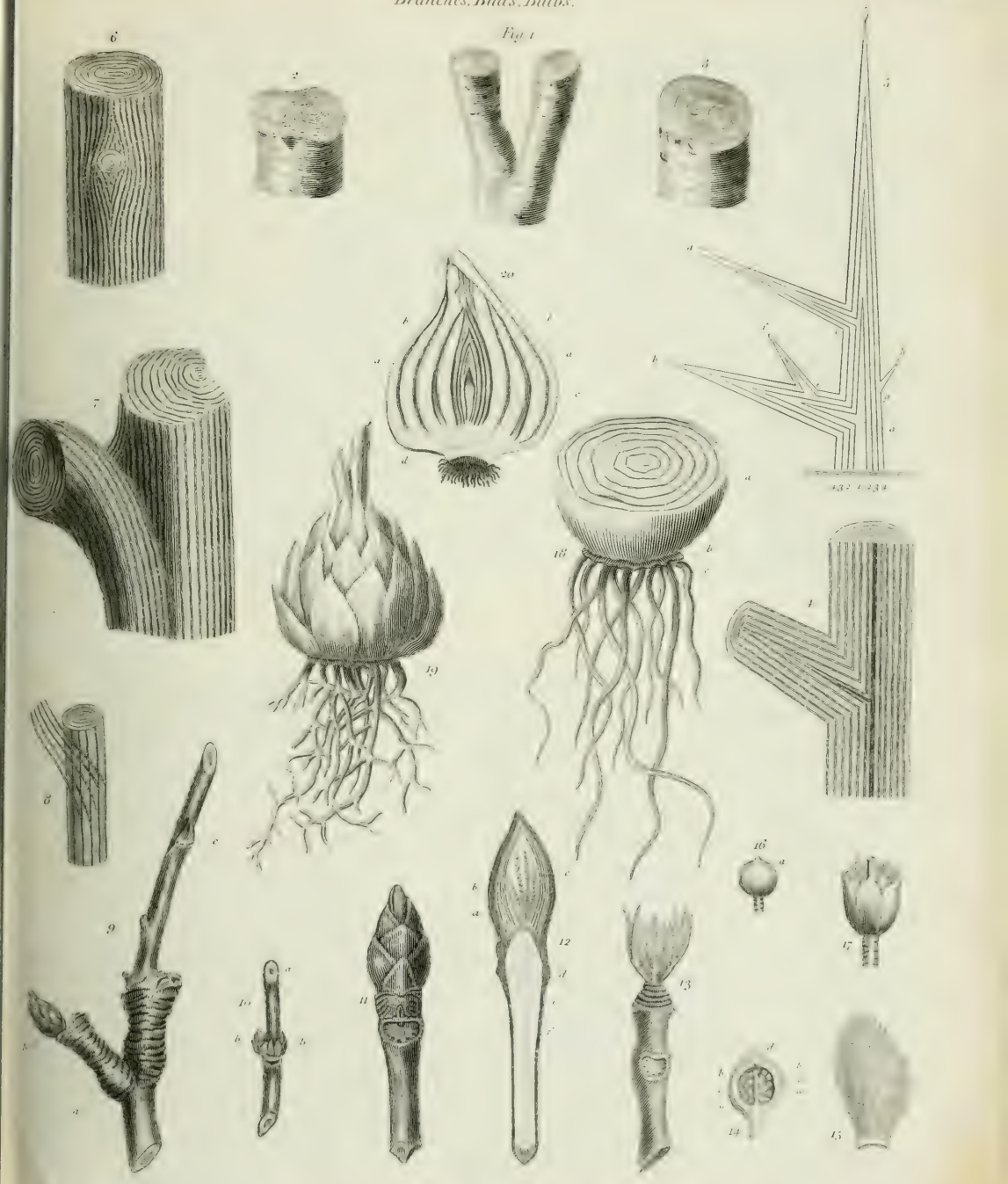


FIG. 8.

Published as the Act directs. May 1 1804, by Longman & Rees Paternoster Row.

VEGETABLE ANATOMY.

Branches, Buds, Bulbs.



Published as the Act directs Feb 1st 1807 by Longman, Hurst, Rees & Orme Paternoster Row

MOUNT ÆTNA

Plate I

Plate II

Published as the Act directs April 1 1820 by Longman, Hurst, Rees Orme & Brown, Paternoster Row

From an original sketch made in the year 1797. by R. Duppa Esq.r

Lowry sculp

MOUNT VESUVIUS.

as seen from the Bay of Naples.

Published as the Act directs, Sept.r 2.d 1801 by Longman & Rees, Paternoster Row

From an original sketch made in the year 1707 by R. Trapps Esq^r

Lowry Sculp.

THE CRATER OF MOUNT VESUVIUS.

Publish'd [illegible]

BASALT.

PLATE II.

Sir H. Davy's Wire gauze Safety Lamp, as made by M.r Newman Leath. Str Leicester Sq.r

see WIRE GAUZE.

see Dep. Dyke Fault Slip Trouble &c in the Article COAL

Fig 1

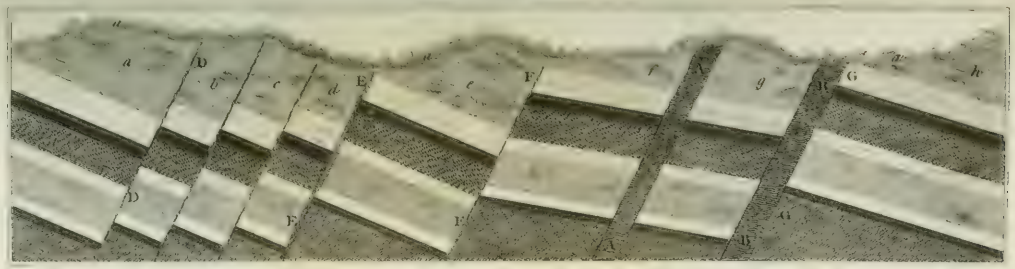


Fig 5

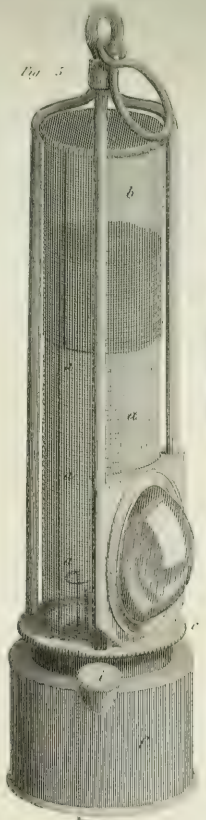


Fig 6

Dr Clanny's Safety Lamps.

Fig 2.

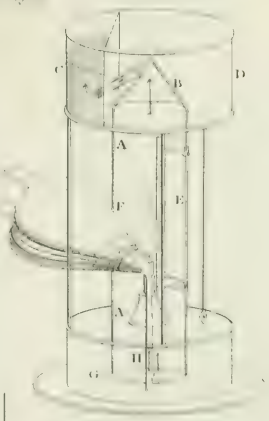
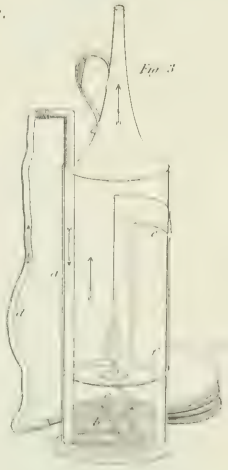
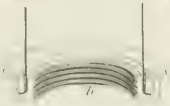


Fig 3



Dr Clanny's Steam Safety Lamp.

Fig 4



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GEOLOGY

Fig. 1

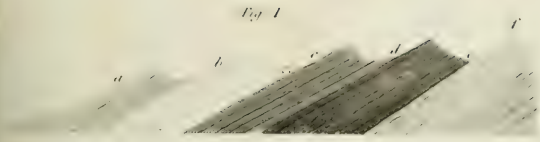
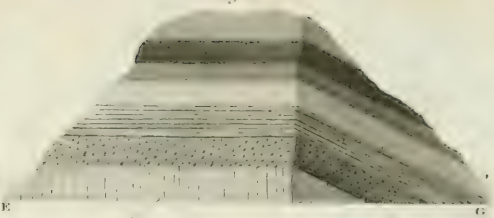


Fig. 2



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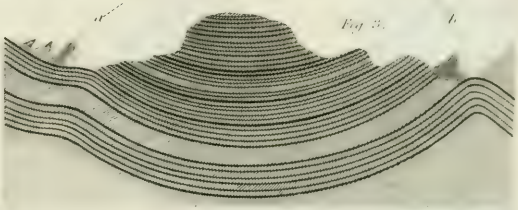


Fig. 4.

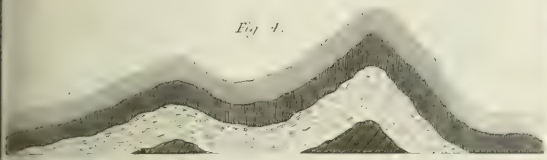


Fig. 5.

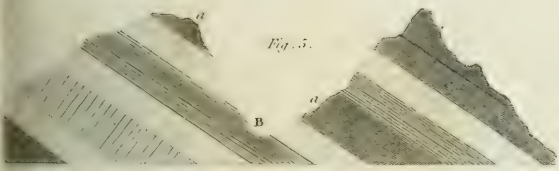
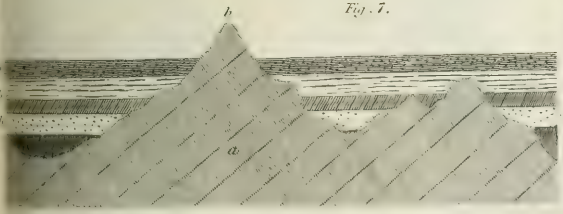


Fig. 6.

Fig. 7.



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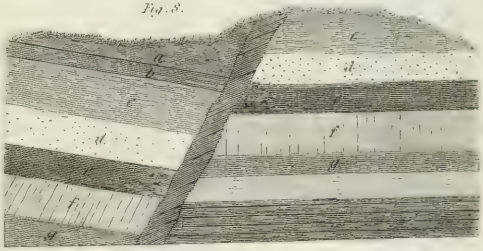

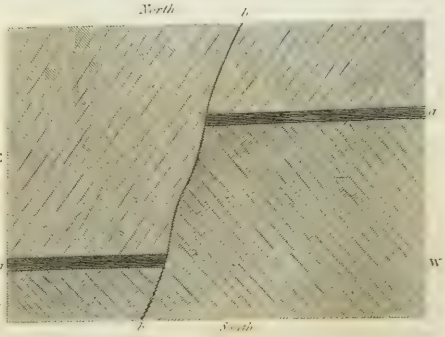

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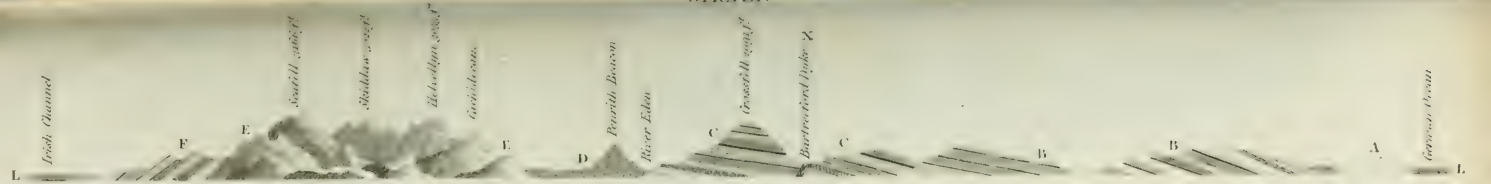
Lowry Sc.



A Sketch of the Arrangement of the Strata through England by R. Bakewell. Lat. 54° 35′ to 54° 45′.

Fig. 2.

A Section of the Strata through part of Dorsetshire & Devonshire by R. Bakewell.

Fig. 3.

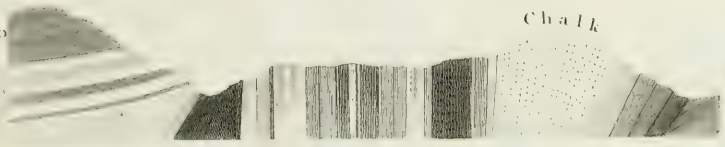
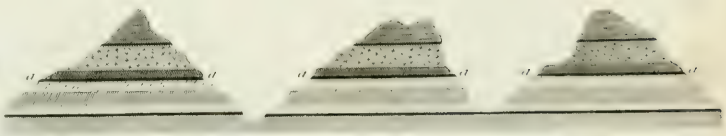


Fig. 4.



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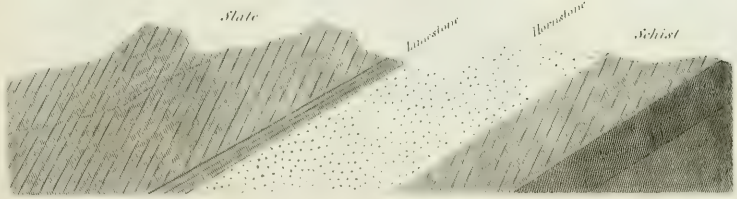

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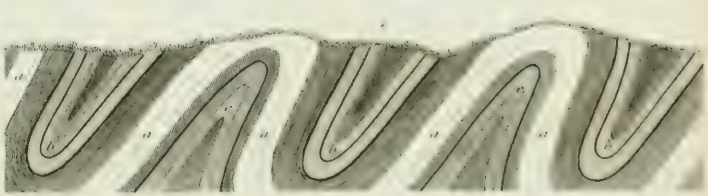

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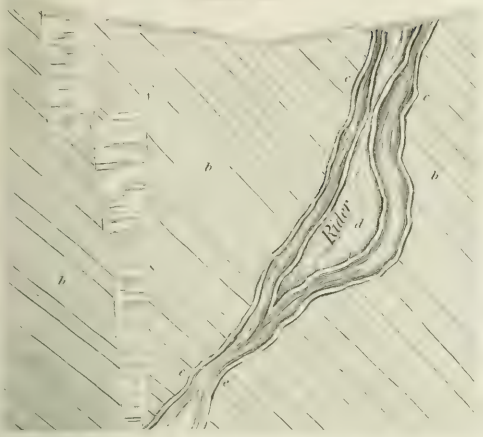
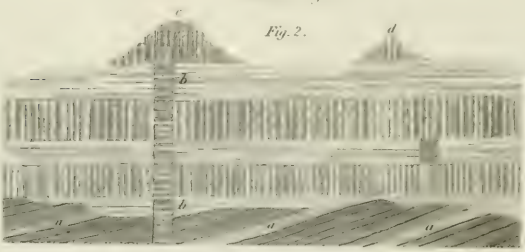
Lowry. Sc.

Metallic Veins



Columnar and amorphous Basalt intersected by Basaltic Dykes

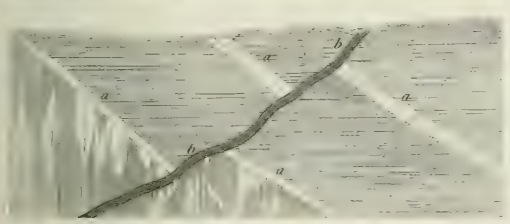
Fig. 2.



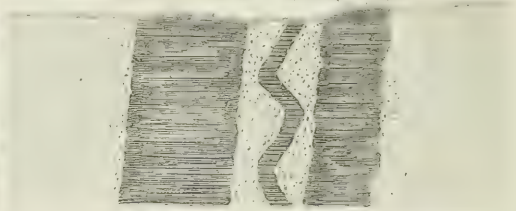
Limestone Broken and inclosed in Basalt

Fig. 4

Whinstone Dykes or Basaltic Veins passing through

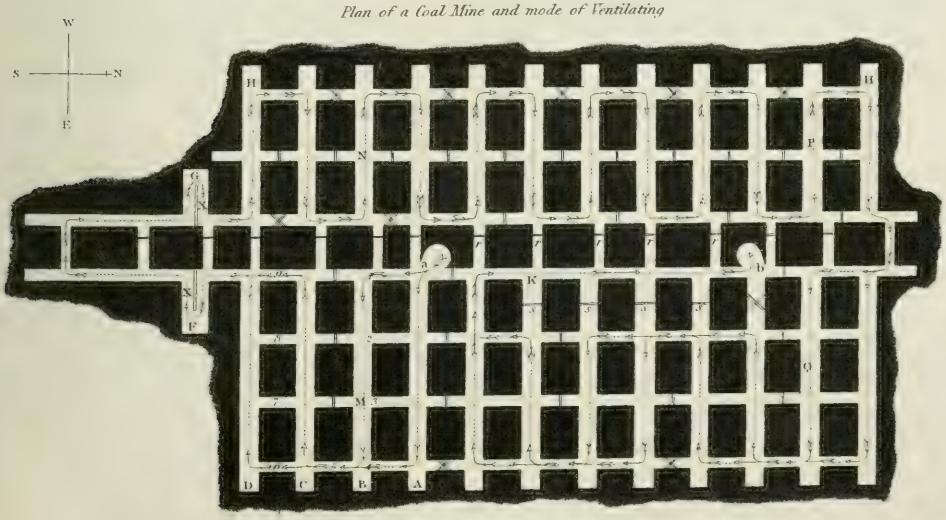


Intersection of Metallic Veins



Chalk and Changing it into Marble

Plan of a Coal Mine and mode of Ventilating



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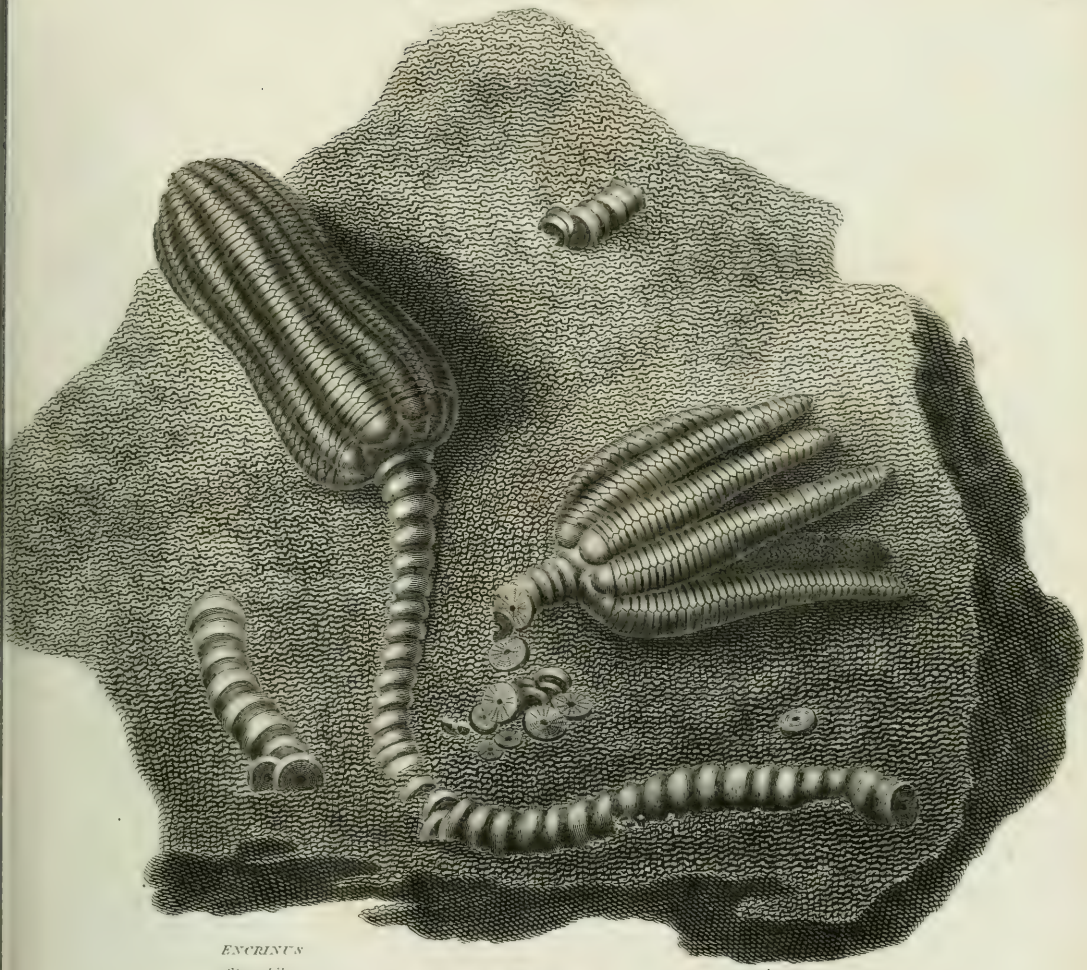
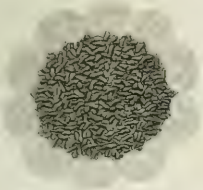
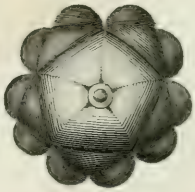


ENCRINUS
Stone Lily



Transverse Section of the Lily Head.

Lily broken transversely.



Bottom of the Lily Head

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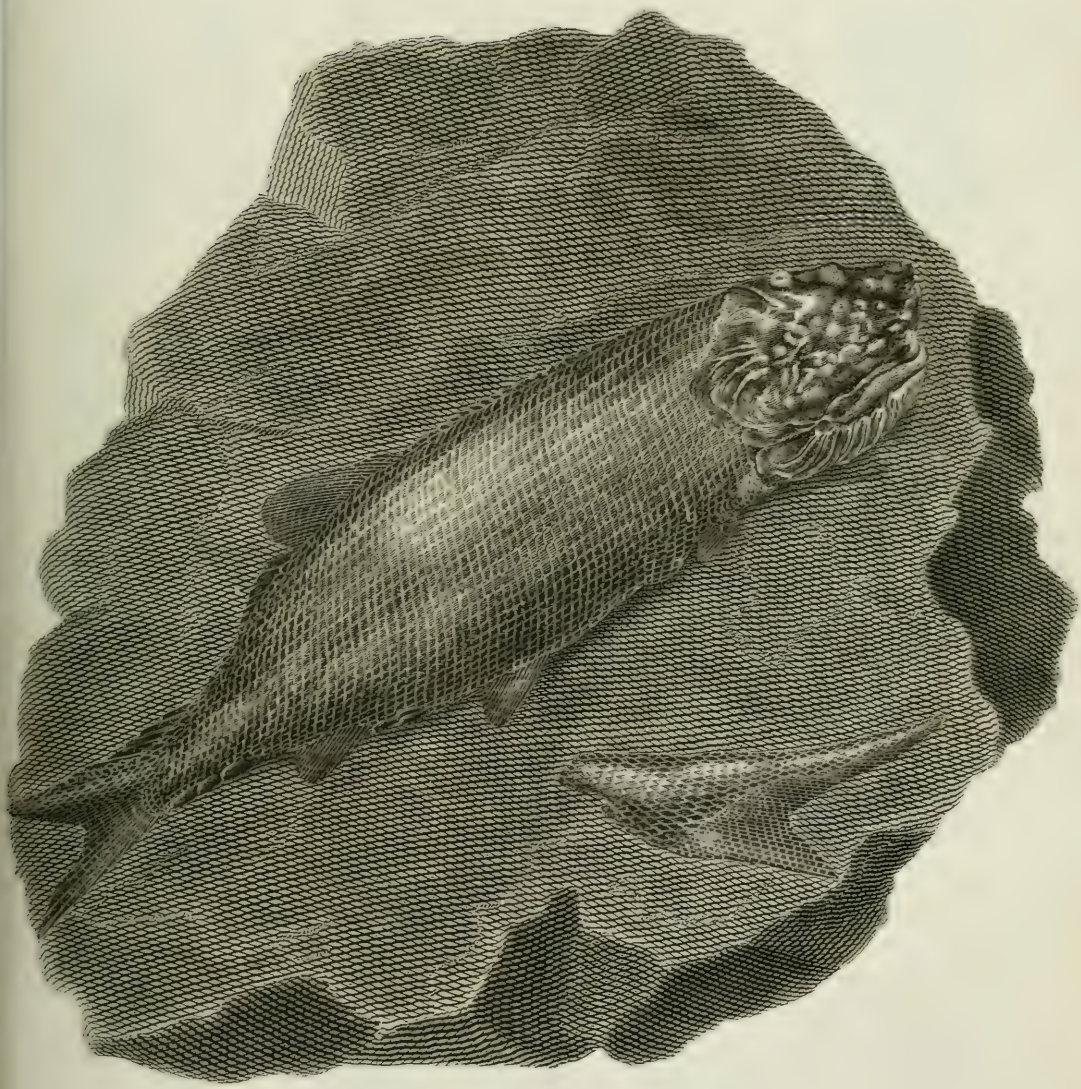
ICHTHYOLITE.

Ichthyological remains.



Impression of Fishes in Bituminous Shale, found at Sulzbach in Germany.

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CRYSTALLOGRAPHY.

ADAMANTINE SPAR

Fig 1.

Fig 2

Fig 3

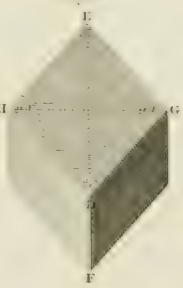


Fig 4

Fig 5

Fig 6

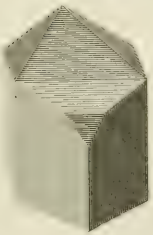
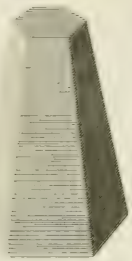


Fig 7



FELSPAR

Fig 8.

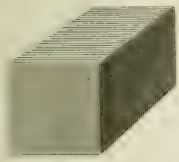


Fig 9

Fig 10.

Fig 11

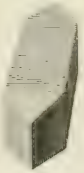


Fig 12

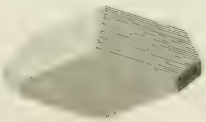


Fig 13.

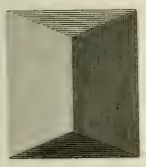


Fig 14

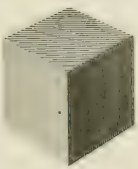


Fig 15

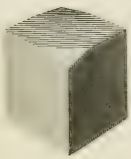
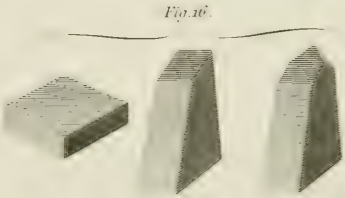


Fig 16.



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CRYSTALLIZATION, THEORY OF.

Fig. 17.

Fig. 18.

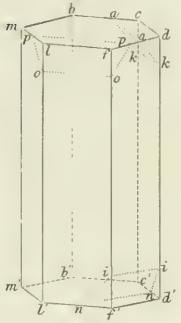


Fig. 19.

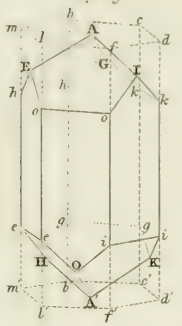


Fig. 20.

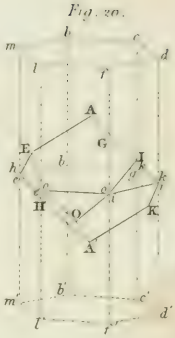


Fig. 21.

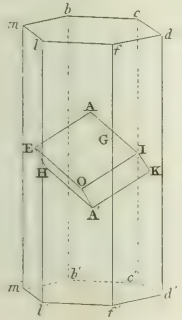
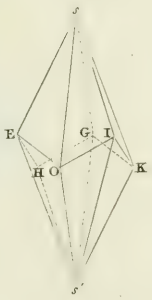


Fig. 22.



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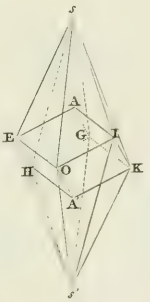
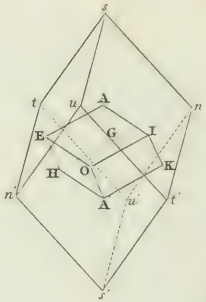


Fig. 24.



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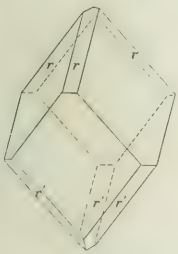

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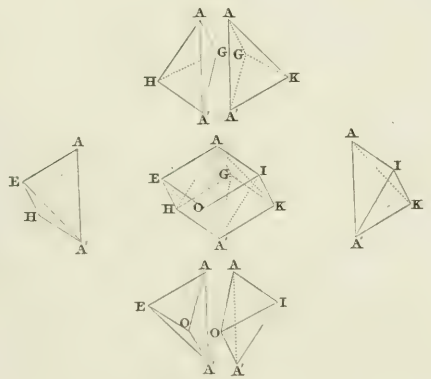

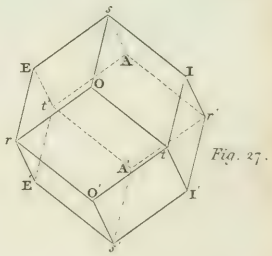

Fig. 27.

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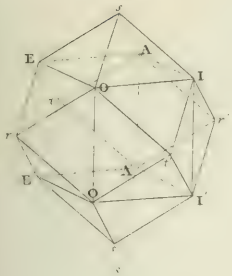
Fig. 28.



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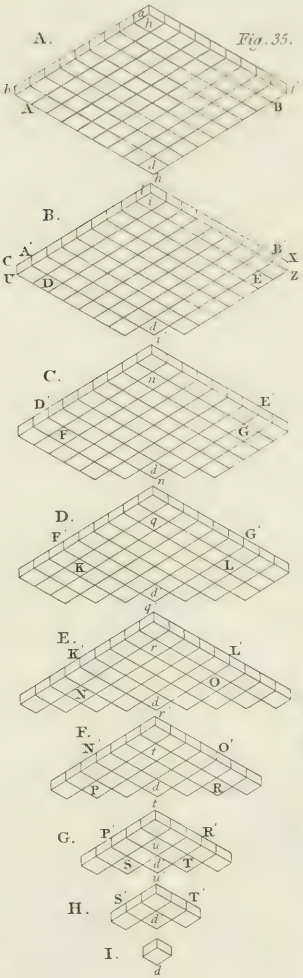

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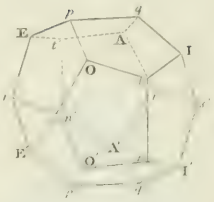
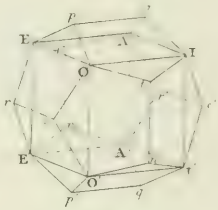


Fig. 31



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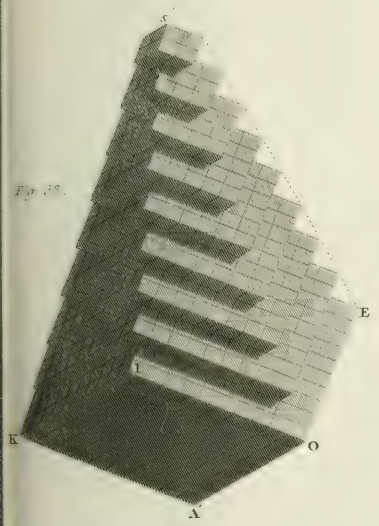

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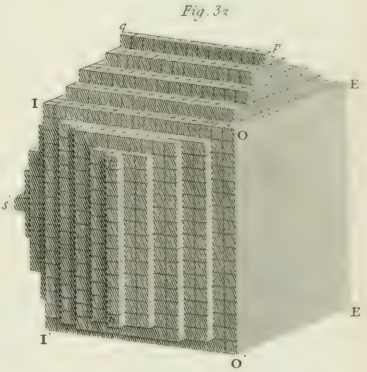

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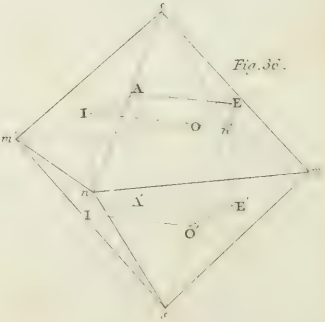

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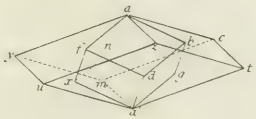

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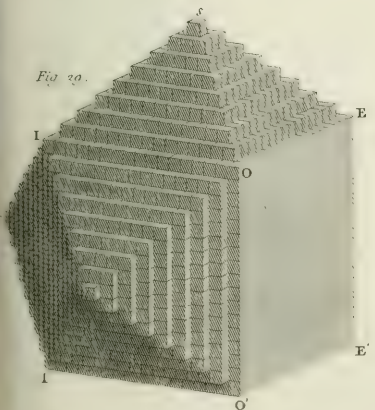

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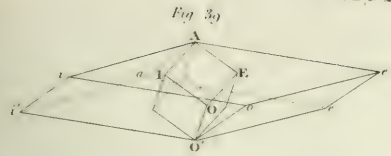
Fig. 39.



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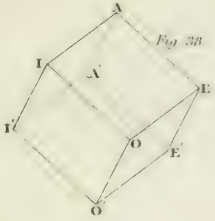
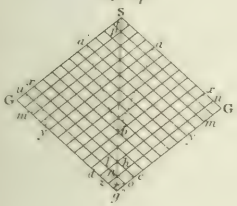


Fig. 37.

Fig. 47.



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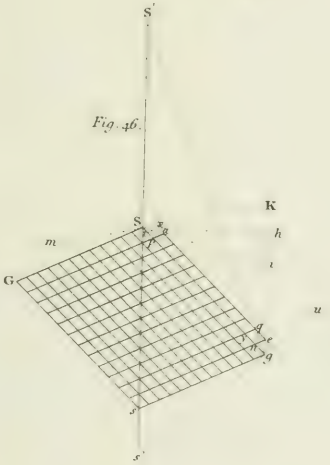

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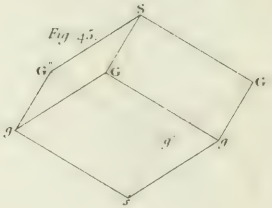

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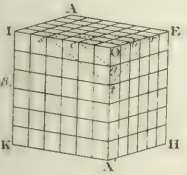

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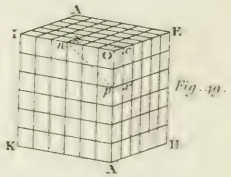

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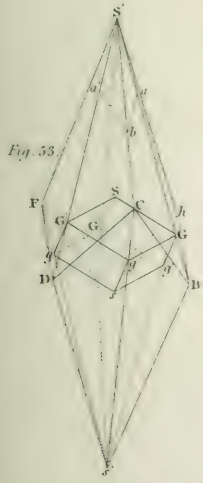

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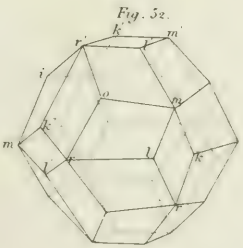

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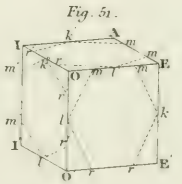

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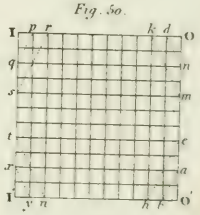

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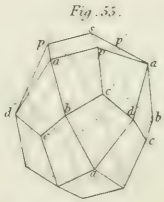

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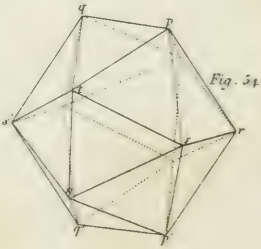

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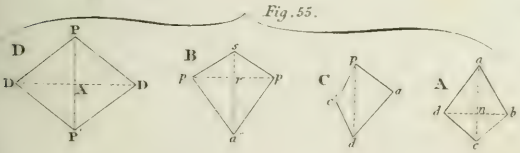

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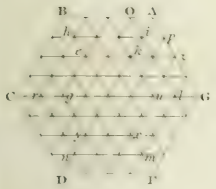
Fig. 56.



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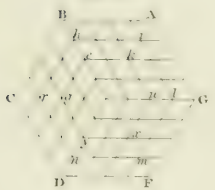

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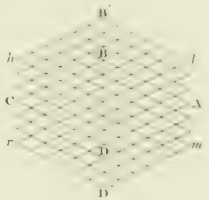


Fig. 59.

Fig. 60.

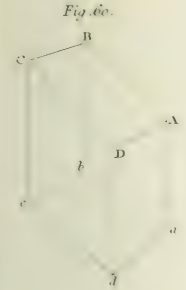
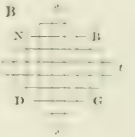


Fig. 61.

Fig. 62.



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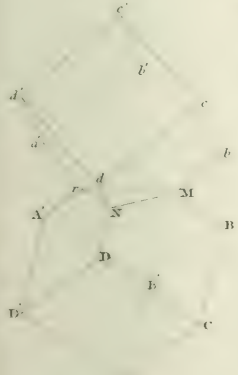

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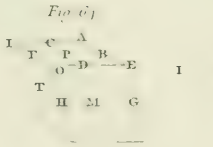

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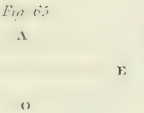

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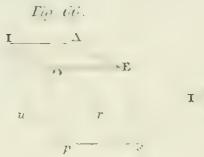

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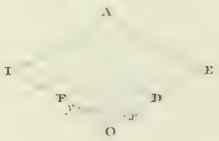

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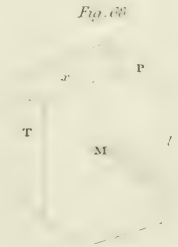

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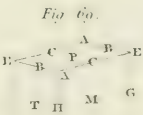

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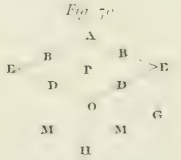
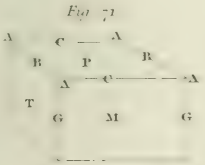


Fig. 75.

Fig. 71.



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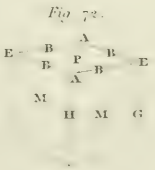

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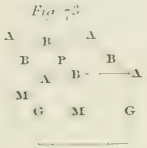

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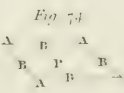

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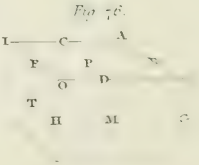

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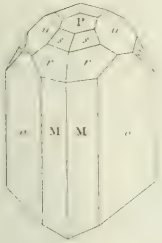
Fig. 77



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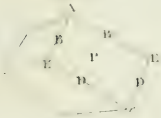


Fig. 79.

Fig. 80

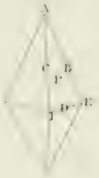


Fig. 81

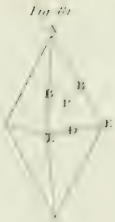
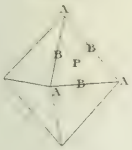


Fig. 82



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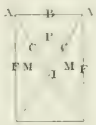

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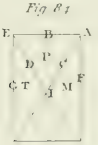

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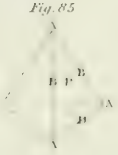

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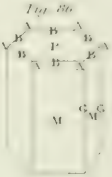

Fig. 89

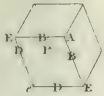

Fig. 93.

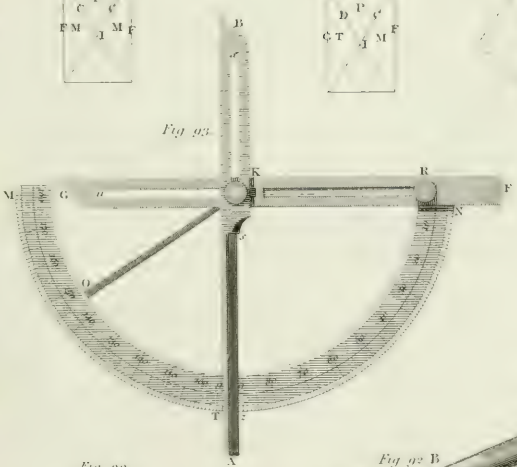

Fig. 88

Fig. 87.

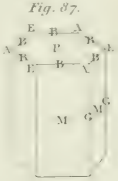

Fig. 91.

Fig. 90

Fig. 92 B

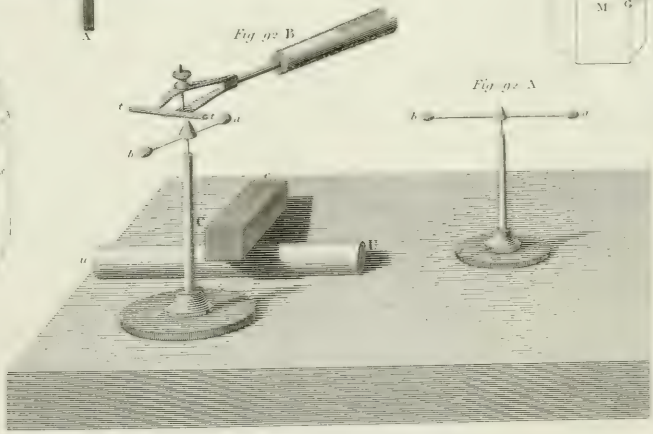

Fig. 92 A

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CRYSTALLIZATION.

see Mineralogy Appendix.

Varieties of the Prism.

Cube. Fig. 1.

Rhomb. Fig. 2.

Fig. 3.

Fig. 5.

Fig. 4.

Pyramid.

Table

Fig. 7

Fig. 8

Double six sided Pyramid.

Fig. 14.

Tetrahedron

Fig. 12

Lens

Fig. 11

Icosahedron

Fig. 9.

Pentagonal Dodecahedron

Fig. 10.

Regular Octohedron.

Fig. 27

Rhomboidal Dodecahedron.

Fig. 13

TRUNCATION

BEVELMENT

On the Angles.

Fig. 16

On the Edges

Fig. 17

On all the Edges.

Fig. 18.

On all the lateral Edges.

Fig. 19

On the Angles.

ACUMINATION. *The Acuminating Planes.*

Fig. 20.

At each Angle set on the lateral planes.

On the lateral edges

Fig. 21.

On the lateral planes.

Fig. 22.

On the lateral angles

Fig. 23.

Double six sided Pyramid with the planes joined obliquely or Metastatic Crystal.

On the lateral planes.

Fig. 24.

On the alternating lateral planes.

Fig. 25

On the lateral edges.

Fig. 26.

Double eight sided pyramid four planes at each extremity set on the alternate lateral edges

Fig. 28

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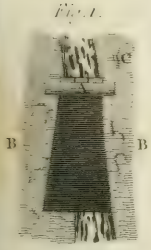
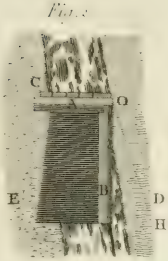
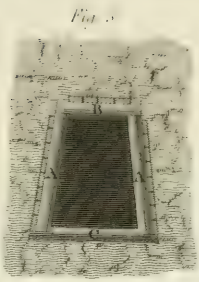
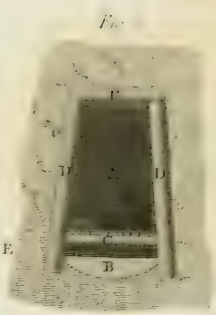
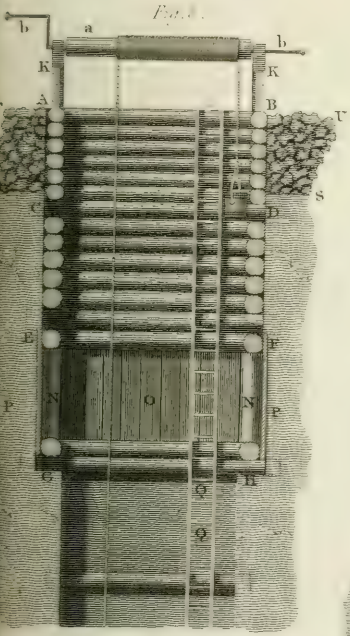
MINING

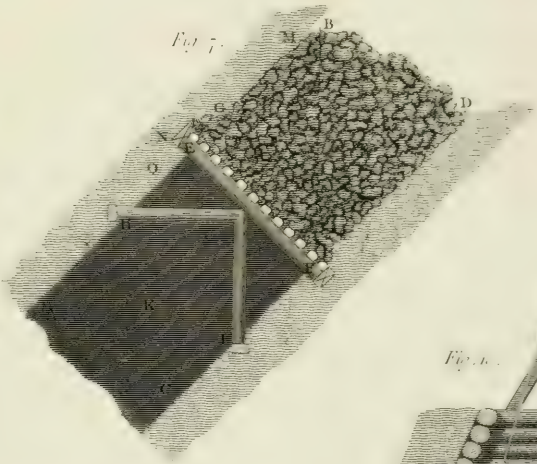


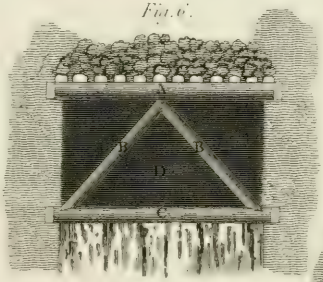


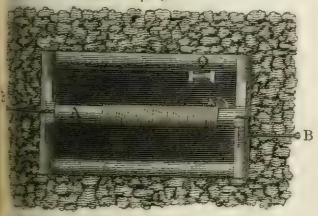


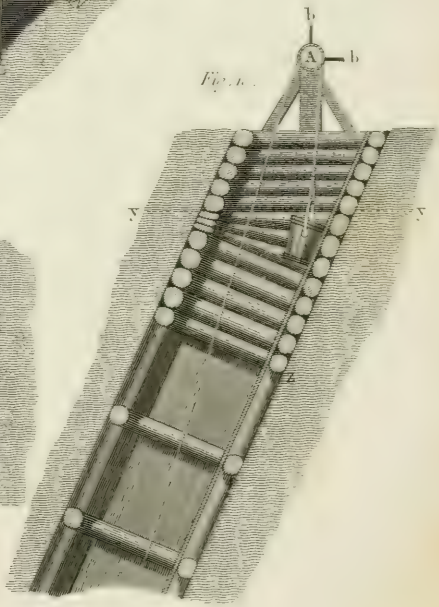












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